

REMODEL TO:

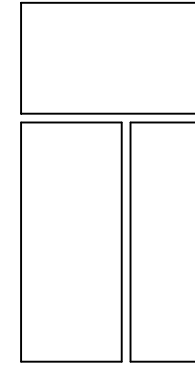
CAMP WILLIAMS
BUILDINGS 3040

UTAH NATIONAL GUARD
SALT LAKE CITY, UTAH

VINCENT DESIGN GROUP INC.

401 EAST 1700 SOUTH
SALT LAKE CITY, UTAH
(801) 484-2046

architects/planners



VINCENT
DESIGN
GROUP

architects/planners

401 EAST 1700 SOUTH
SALT LAKE CITY, UTAH
(801) 484-2046

CONSULTANTS

REMODEL BUILDINGS AT:
CAMP WILLIAMS
OFFICE BUILDING 3040
UTAH NATIONAL GUARD
DFCM NO. 05228480
SITE PLAN, SCHEDULES, LEGEND & DETAILS

DRAWING INDEX :BUILDING 3040

NUMBER	TITLE
AS-101	SITE MAP, TITLE SHEET, INDEX & LEGEND
AB-101	DEMO PLAN, FLOOR PLAN, SCHEDULES, NOTES & DETAILS
AE-102	EXTERIOR ELEVATIONS, ELEVATIONS & DETAILS
M-101	MECHANICAL PLAN, SCHEDULES, NOTES & DETAILS
P-101	PLUMBING PLAN, SCHEDULES, NOTES & DETAILS
E-103	ELECTRICAL PLAN, SCHEDULE, SYMBOLS & DETAILS

LEGEND & SYMBOLS

ADJUST.	ADJUSTING	SPEC.	SPECIFICATION
ADJ.	ADJUSTABLE	STL	STEEL
ALUM.	ALUMINUM	T.J.	TRUSS JOIST
CER.TILE	CERAMIC TILE	REQ.	REQUIRED
CONC.	CONCRETE	W.C.	WATER CLOSET
CONF.	CONTINUOUS	U.N.O.	UNLESS NOTED OTHERWISE
DET.	DETAIL		
ELEV.	ELEVATION		
EXIST/EX.	EXISTING		
EXP.	EXPANSION		
F.F.	FLOOR	P/L	PROPERTY LINE
F.D.	FLOOR DRAIN	FGE.	FINISH GRADE ELEVATION
GALV.	GALVANIZED	TBC.	TOP OF CURB ELEVATION
GA.	GROUT	T.C.	TOP OF CONCRETE ELEVATION
GYP. BD.	GYP. BOARD	FFE.	FINISH FLOOR ELEVATION
INSUL.	INSULATION	G	GAS LINE
MAX.	MAXIMUM	SS	SEWAGE LINE
MM	MINIMUM	W	WATER LINE
MTL.	METAL	T	TELEPHONE LINE
N.L.C.	NOT IN CONTRACT	P	POWER LINE
OPN'G	OPENING		
REINF.	REINFORCED		
SHT.	SHEET		
O.C.	ON CENTER		

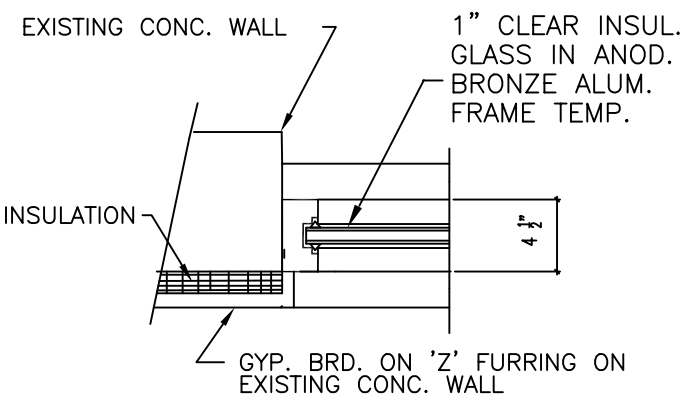
	WOOD FRAMED WALLS		WINDOW NUMBERS
	CONCRETE		DOOR NUMBERS
	ACOUSTIC TILE		DETAIL
	GYP. BOARD		SECTION OR ELEVATION
	BRICK VENEER		
	RIGID INSULATION		
	WOOD DIMENSIONAL LUMBER		
	WOOD		

ARCHITECT: VINCENT DESIGN GROUP, INC.
(801) 484-2046

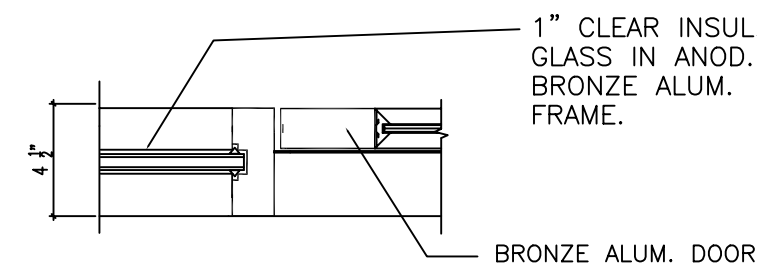
DESIGN BASED ON THE FOLLOWING CODES:

2003 INTERNATIONAL BUILDING CODE
1998 AMERICAN NATIONAL STANDARDS INSTITUTE A117.1
2003 INTERNATIONAL FIRE CODE
2003 INTERNATIONAL PLUMBING CODE
2003 INTERNATIONAL MECHANICAL CODE
2003 INTERNATIONAL FUEL GAS CODE
2003 INTERNATIONAL ENERGY CONSERVATION CODE
2002 NATIONAL ELECTRICAL CODE

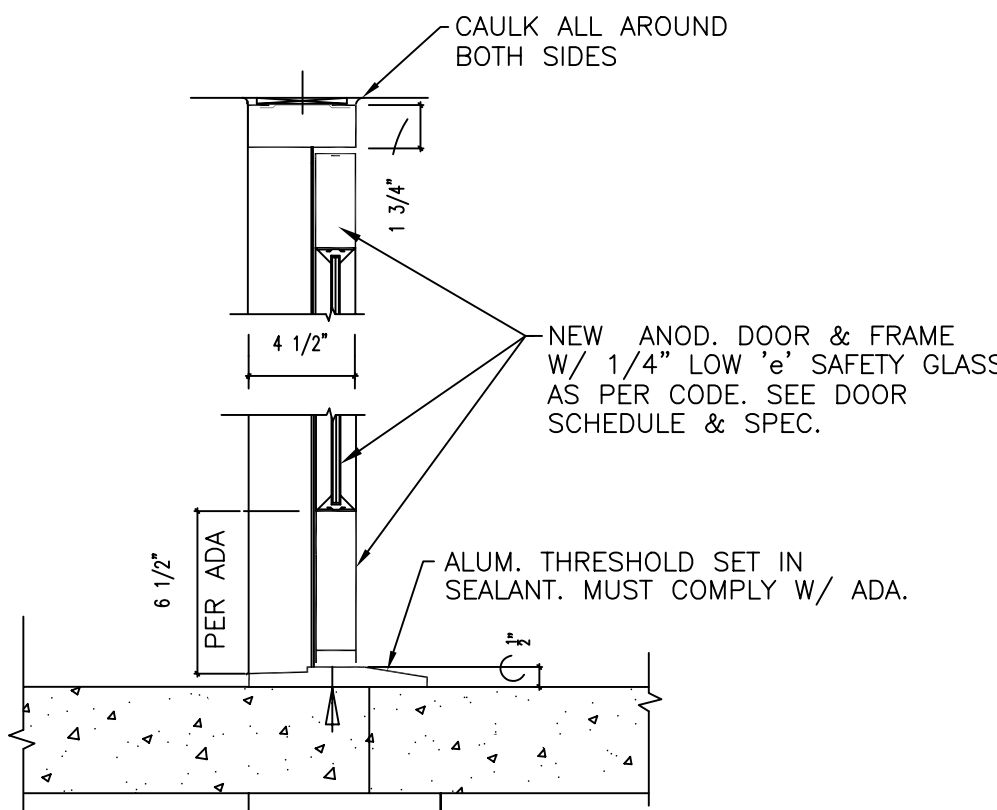
DESIGN CRITERIA	2003 IBC
TYPE OF CONSTRUCTION	Ⅴ - B
OCCUPANCY	B-1



DETAIL 1
SCALE : NONE

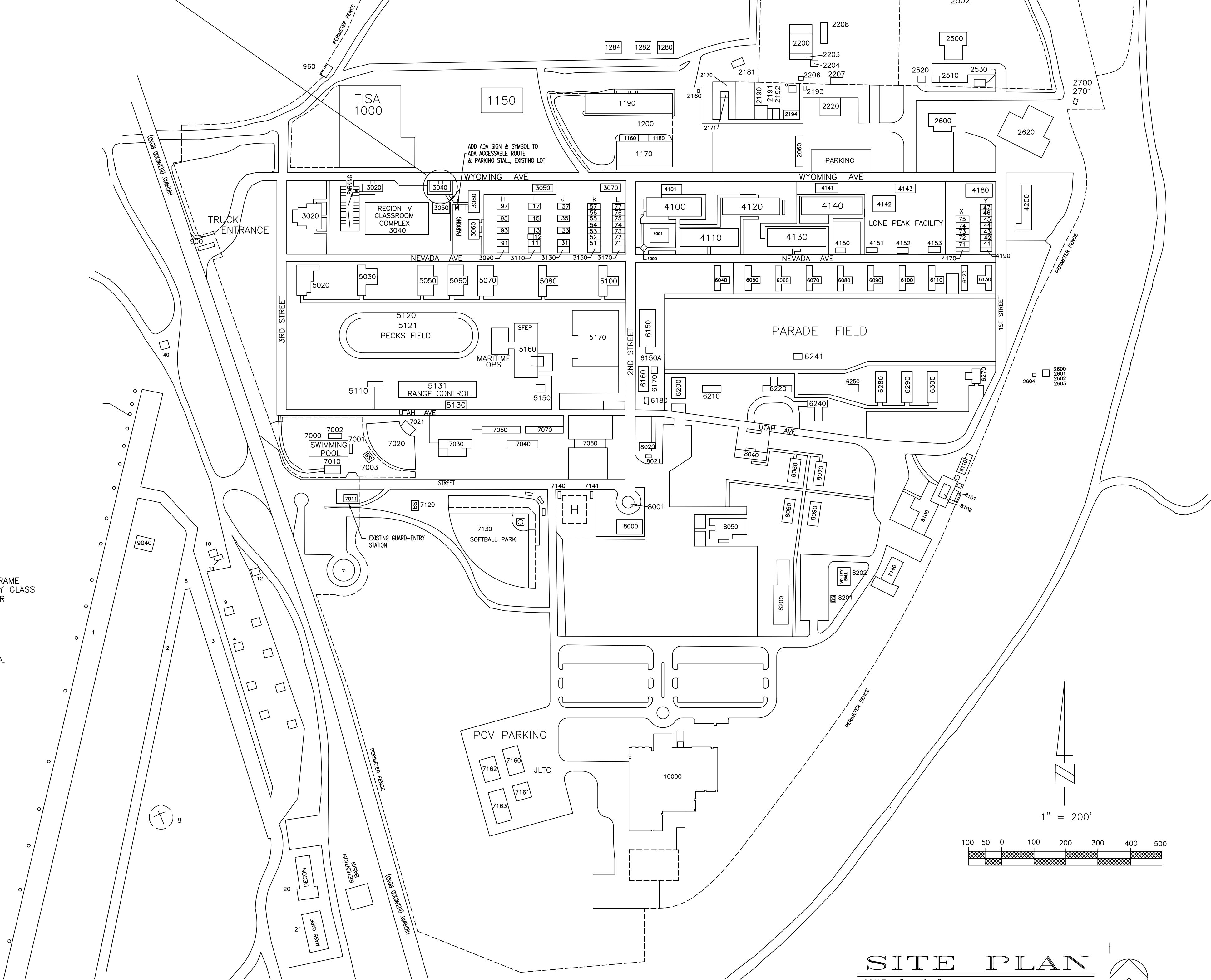


DETAIL 2
SCALE : NONE

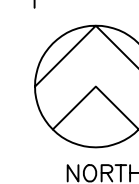


DETAIL 3
SCALE : NONE

REMODEL OF BUILDING 3040
FOR NEW USE AND INTERIOR CHANGES

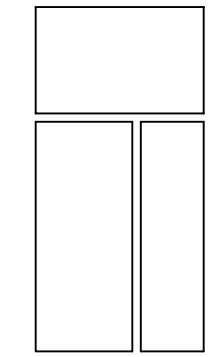


SITE PLAN
SCALE: 1"=200'-0"



SHEET TITLE

AS-101



VINCENT
DESIGN
GROUP

architects/planners

401 EAST 1700 SOUTH
SALT LAKE CITY, UTAH
(801) 484-2046

CONSULTANTS

REMODEL TO
**CAMP WILLIAMS
OFFICE BUILDING 3040**

UTAH NATIONAL GUARD
DFCM PROJECT NO. 05228480
EXTERIOR ELEVATIONS, ELEVATIONS & DETAILS

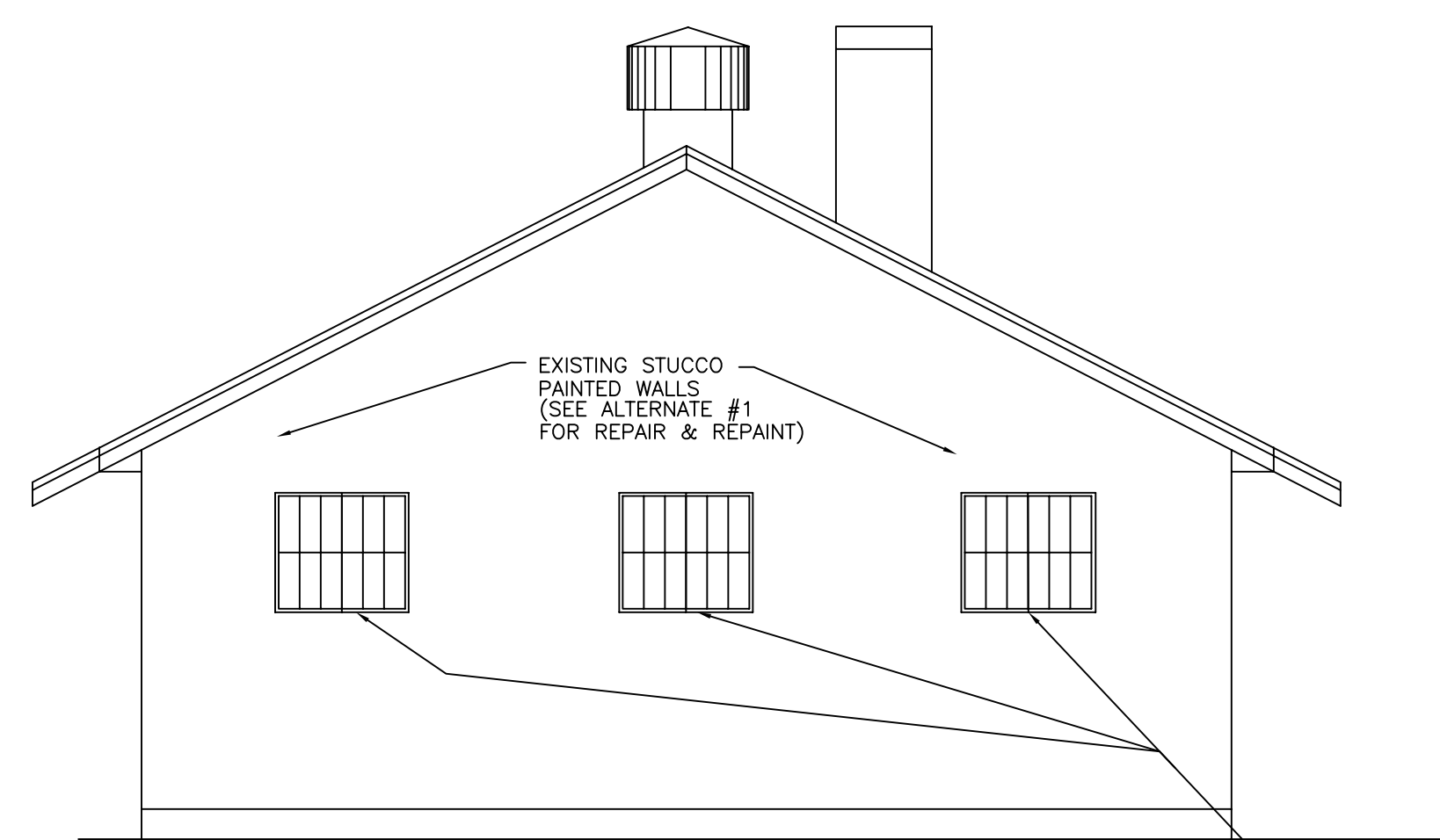
1	3/21/06	BID DOCUMENTS

PROJECT NO:	05228480
ARCH. PROJECT NO:	05-54
CAD. DWG. FILE:	
DRAWN BY:	JV
CHECKED BY:	
DESIGNED BY:	
COPYRIGHT:	

SHEET TITLE

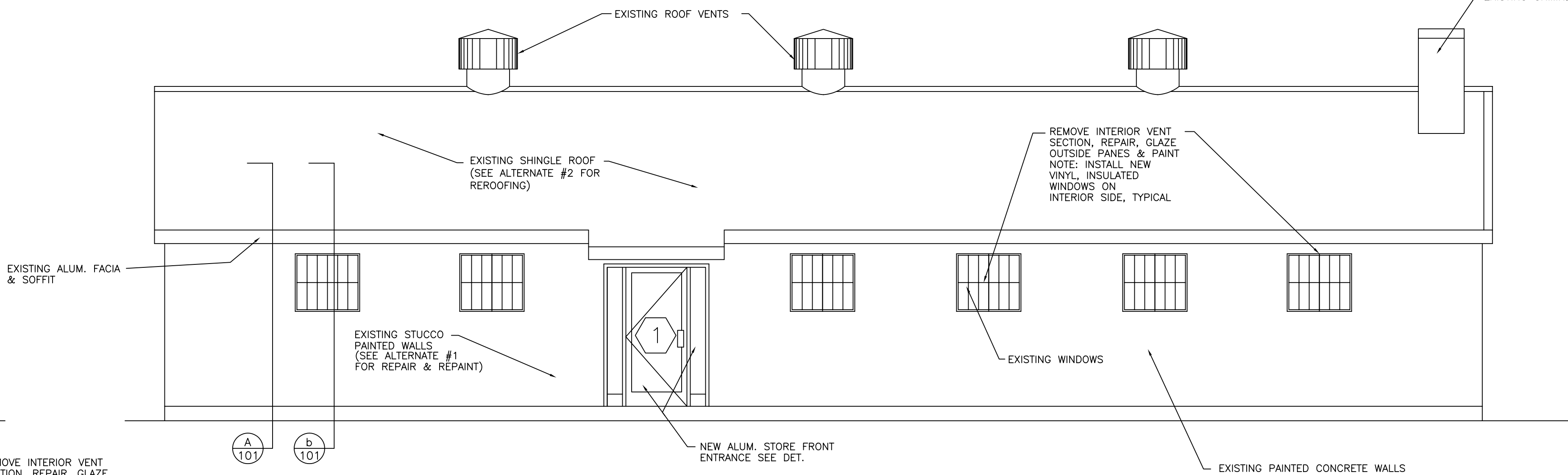
AE-102

ARCHITECTURAL 3 of 6



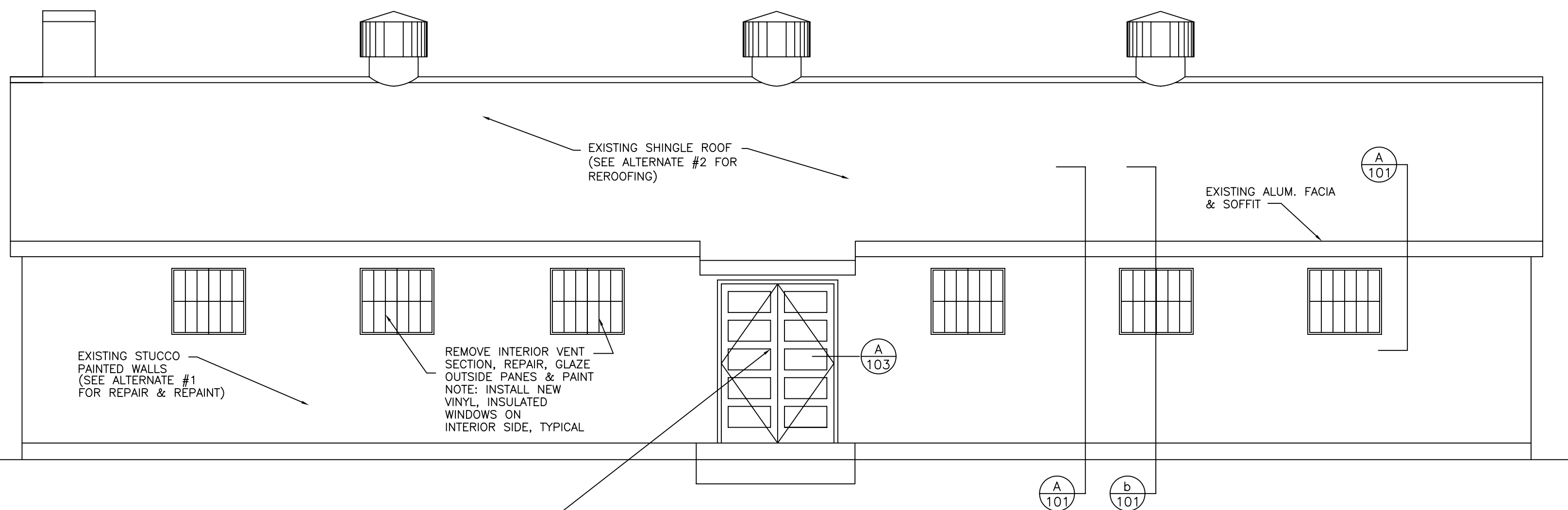
WEST ELEVATION

SCALE: 1/4"=1'-0"



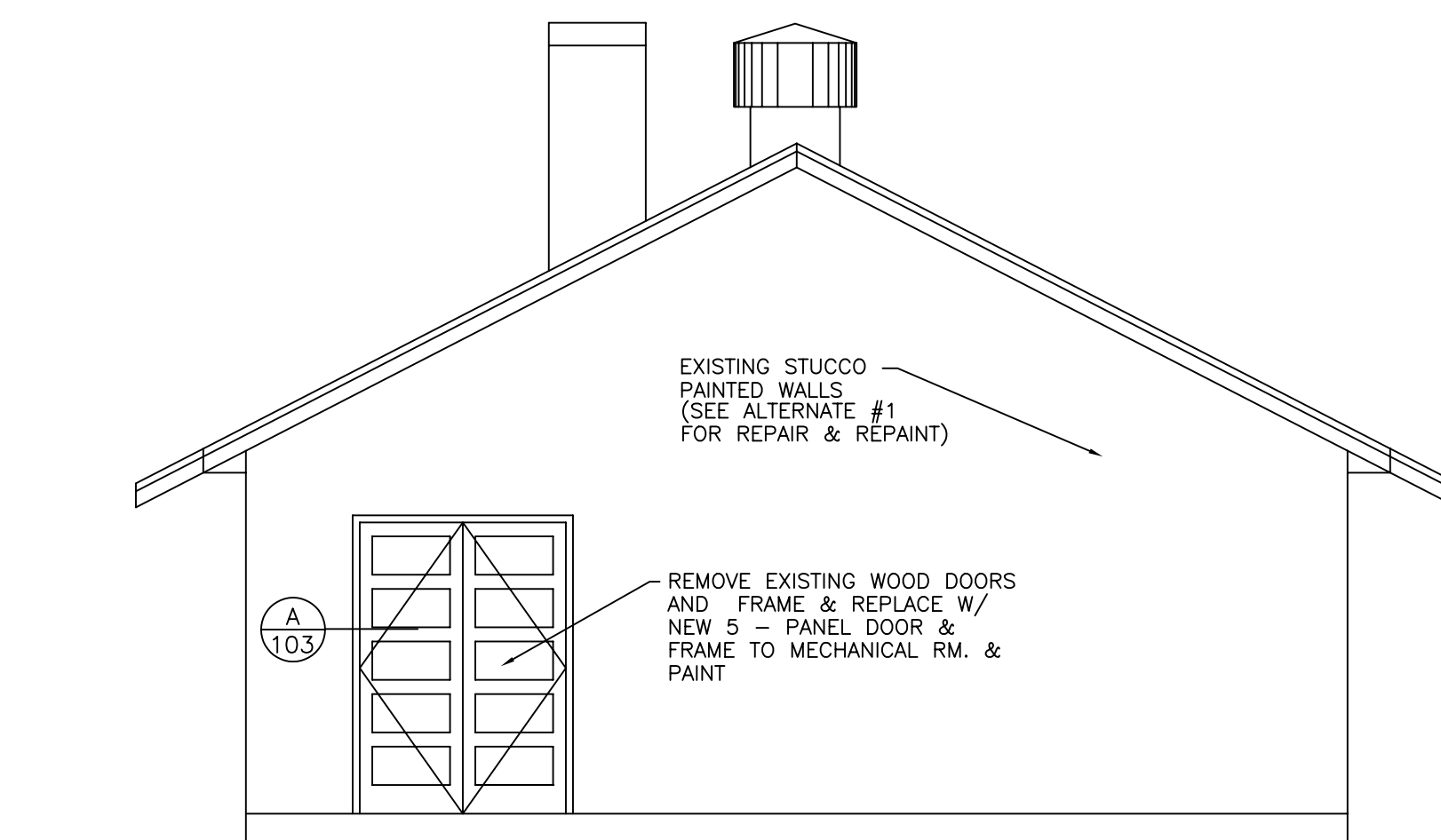
SOUTH ELEVATION

SCALE: 1/4"=1'-0"



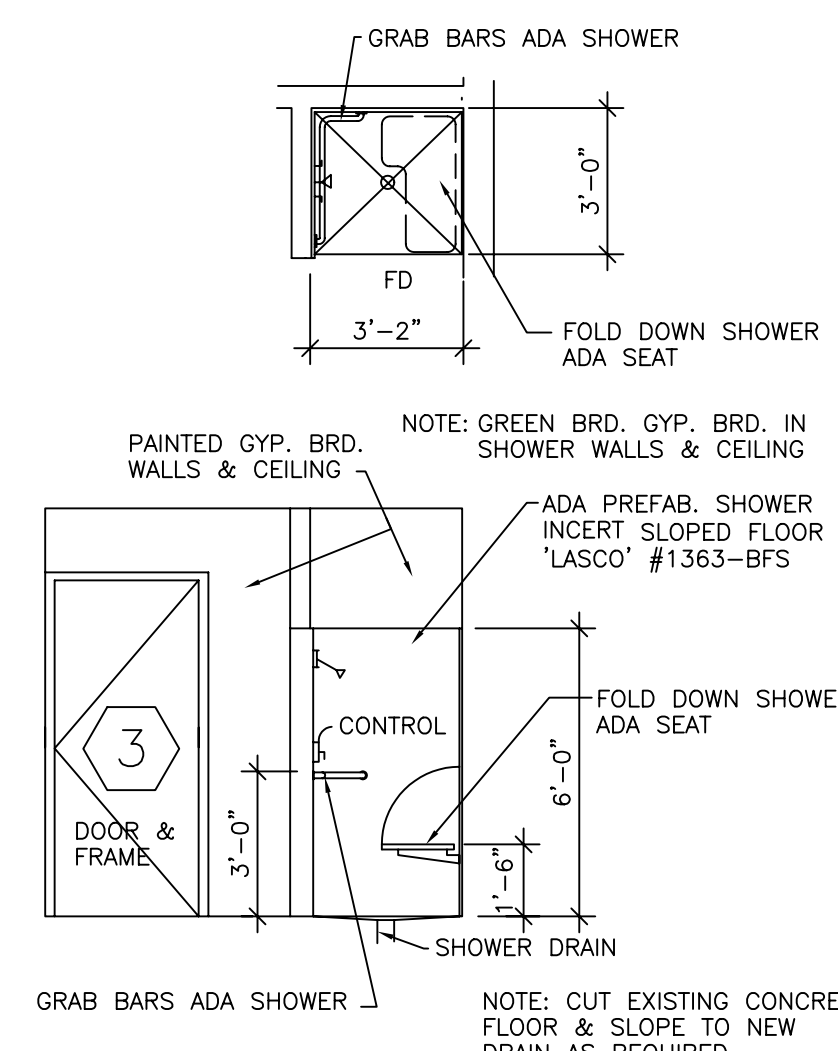
NORTH ELEVATION

SCALE: 1/4"=1'-0"



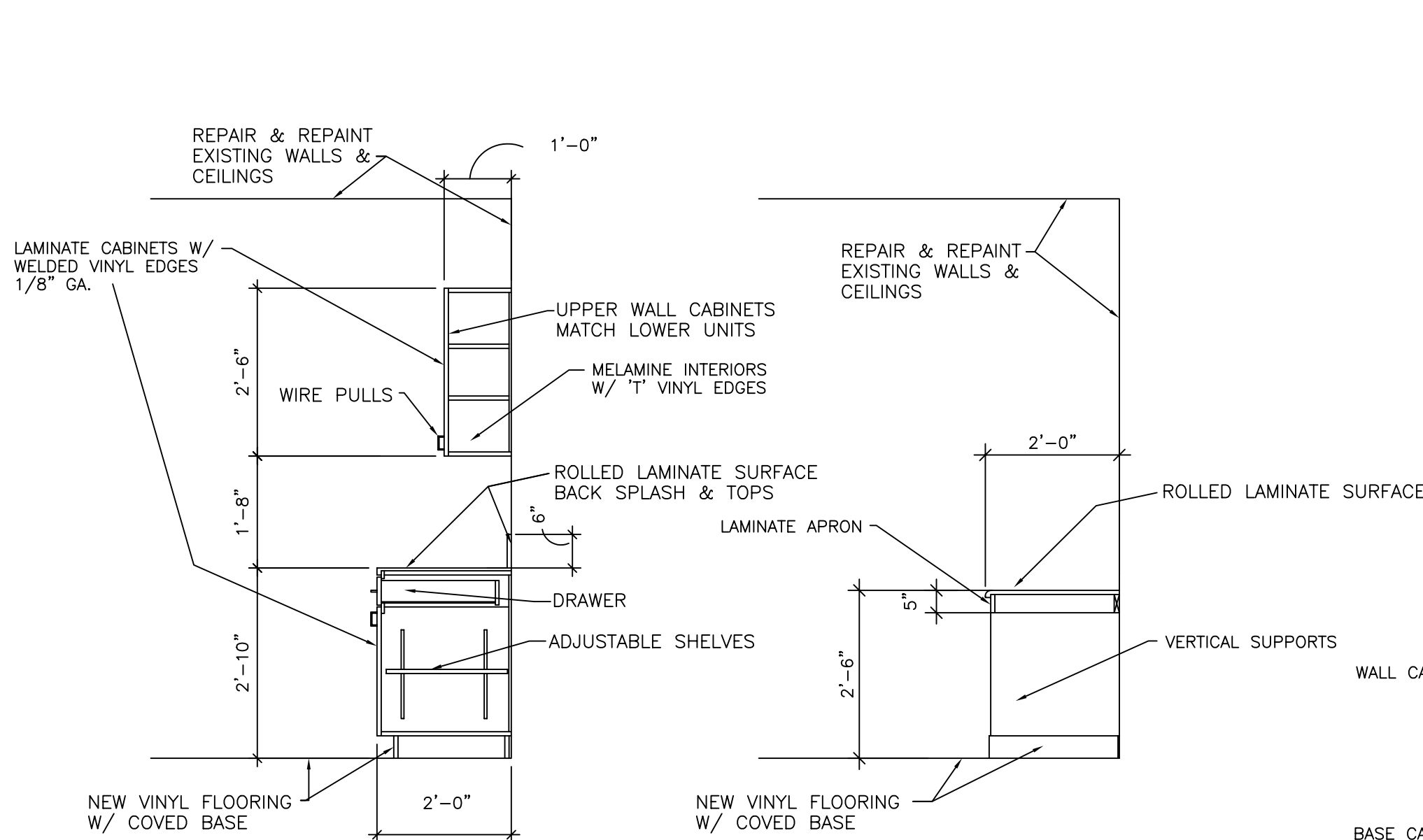
EAST ELEVATION

SCALE: 1/4"=1'-0"



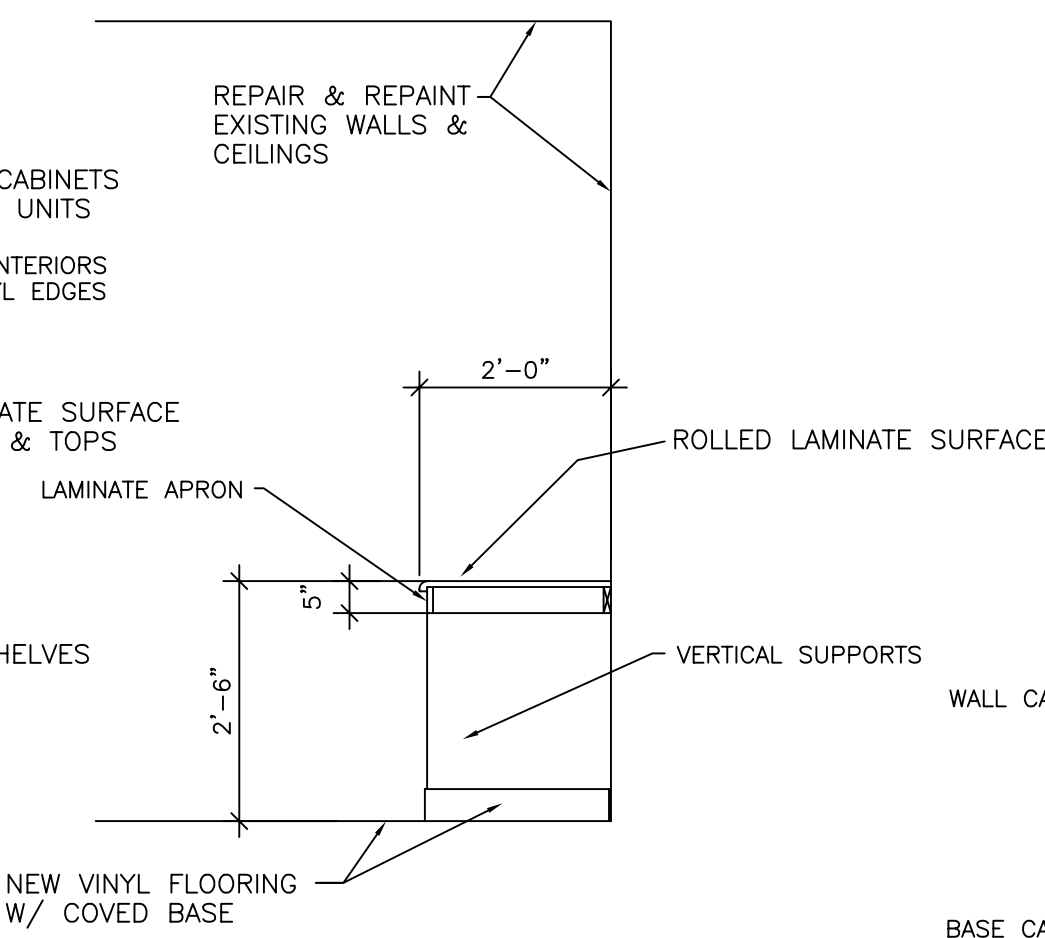
SHOWER ELEV.

SCALE: 1/4"=1'-0"



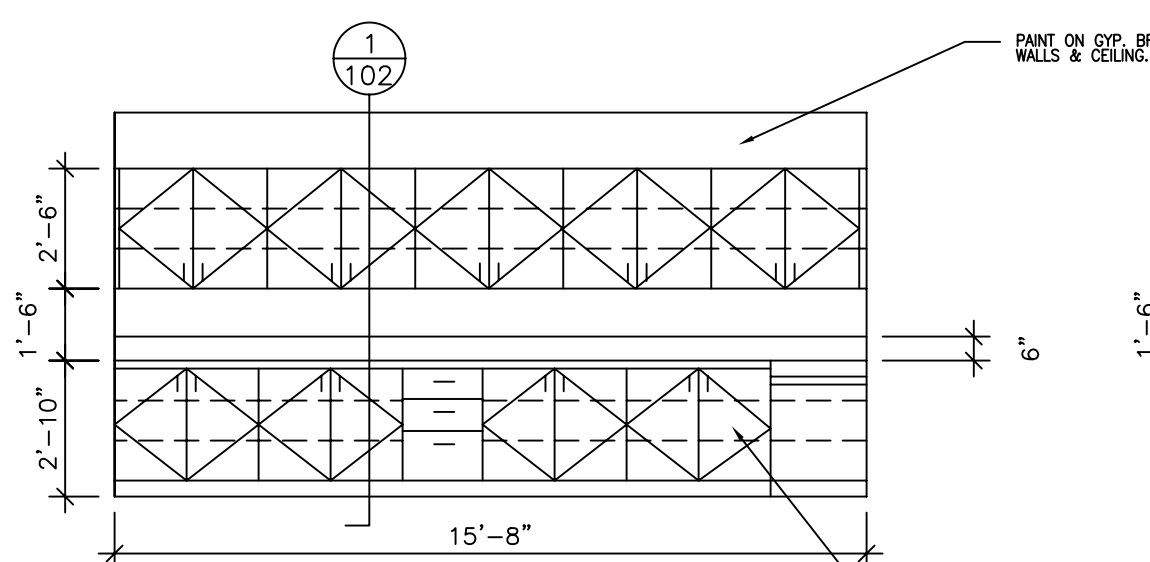
DETAIL 1

SCALE: 1/2"=1'-0"



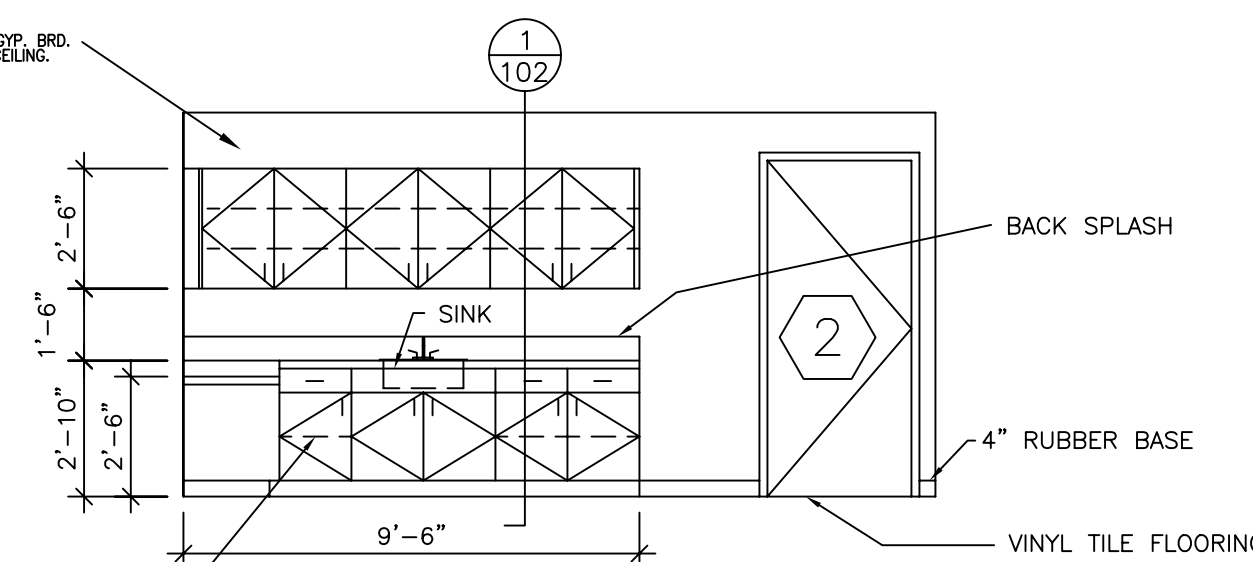
DETAIL 2

SCALE: 1/2"=1'-0"



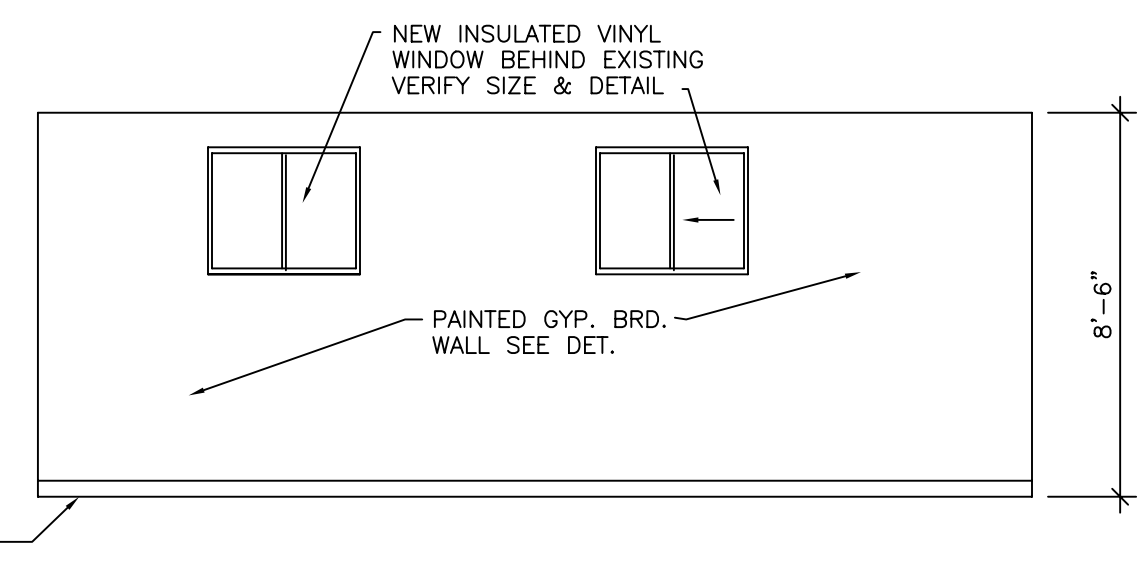
ELEVATION A

SCALE: 1/4"=1'-0"



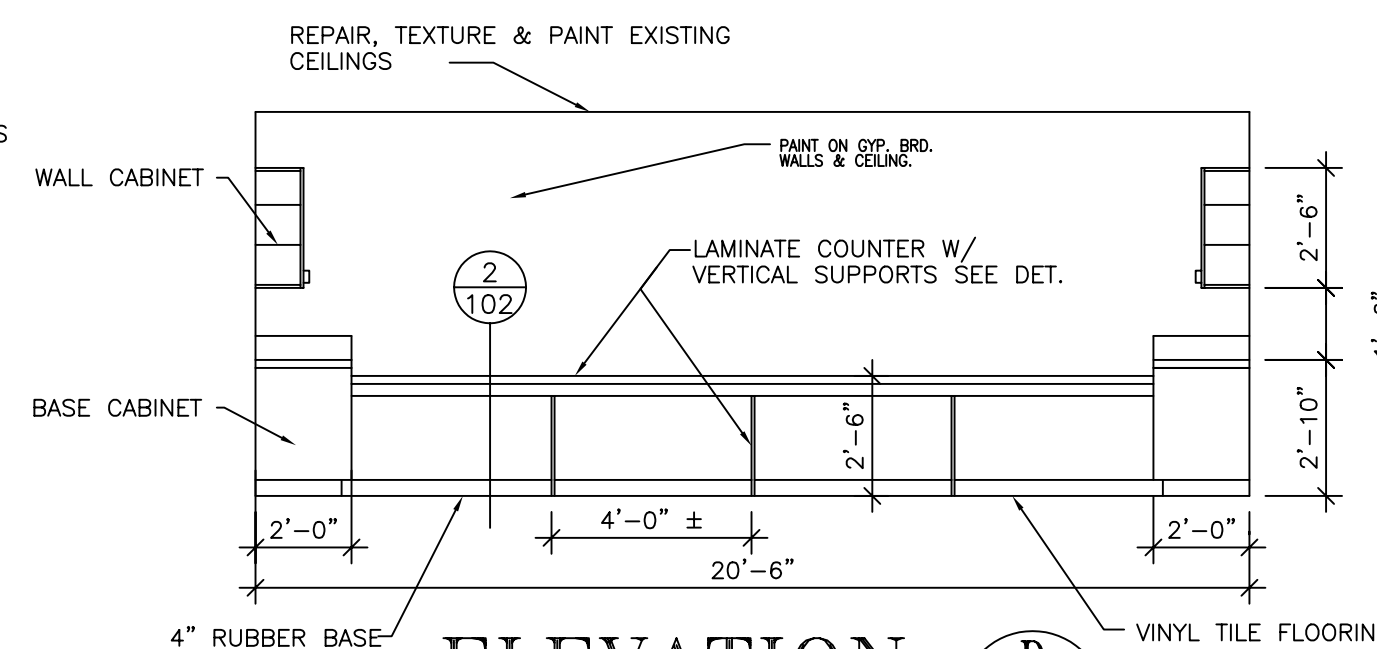
ELEVATION B

SCALE: 1/4"=1'-0"



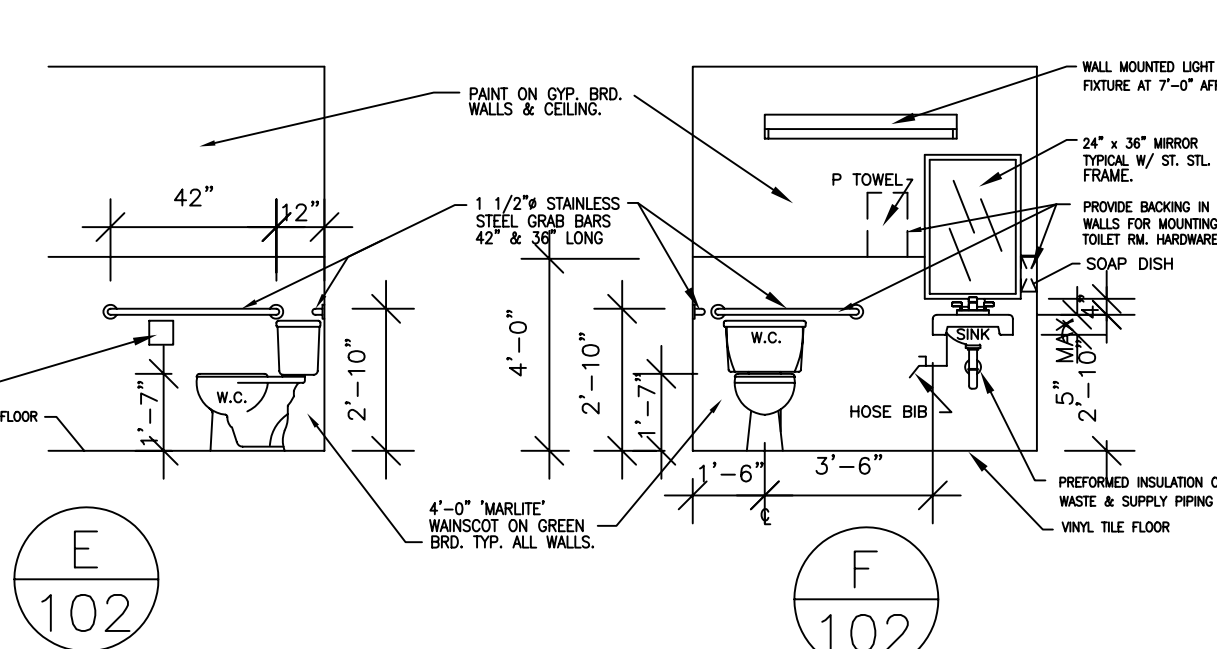
ELEVATION C

SCALE: 1/4"=1'-0"



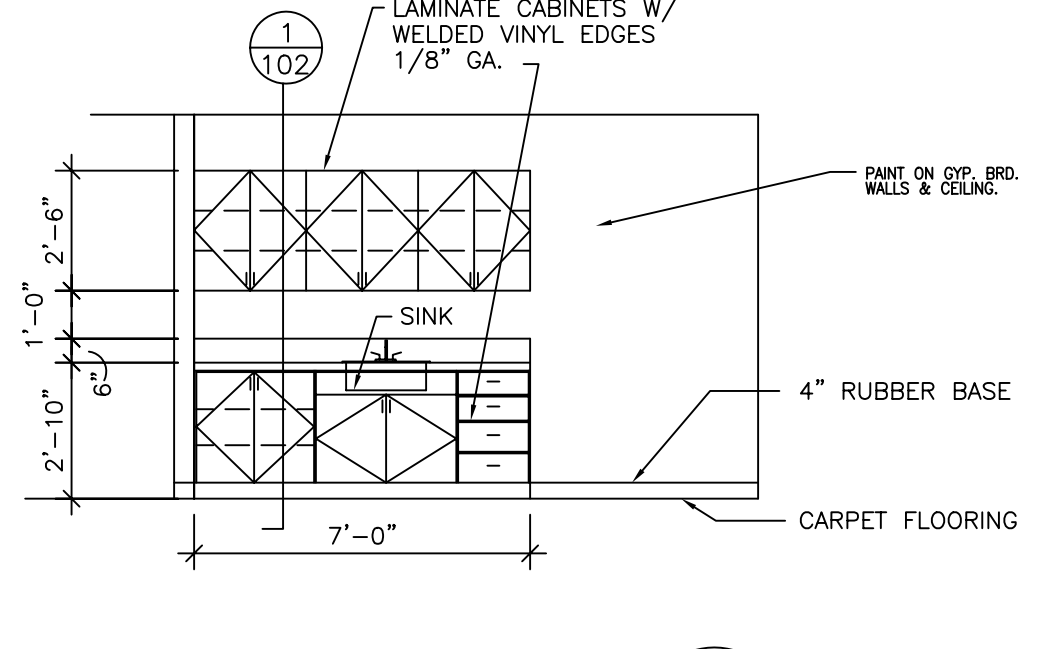
ELEVATION D

SCALE: 1/4"=1'-0"



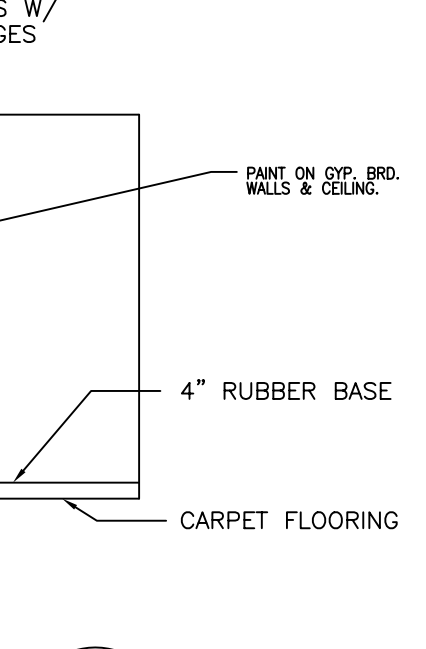
ELEVATION E

SCALE: 1/4"=1'-0"



ELEVATION F

SCALE: 1/4"=1'-0"



ELEVATION G

SCALE: 1/4"=1'-0"

EXHAUST FAN SCHEDULE										
SYM	MANUFACTURER MODEL	AREA SERVED	CFM	SP	ELECTRICAL				WEIGHT	REMARKS
					HP	VOLT	Ph	Hz		
EF 1	PENN Z-6	TOILET RM	90	0.25"	50 watts	120	1	60	26	① ② ③

NOTES

- ① PROVIDE WITH BACKDRAFT DAMPER
- ② DISCHARGE DUCT TRANSITION KIT
- ③ SCREENED WALL LOUVER OR GOOSENECK FITTING ON ROOF BY MECHANICAL CONTRACTOR (AS SHOWN ON DRAWINGS)
- ④ MATCHING REVERSE ACTING THERMOSTAT

EQUIPMENT CONNECTION SIZE SCHEDULE							
FURN. SYM	COND. SYM	AREA SERVED	REF. LINE SIZE LIQUID	INTAKE/VENT SIZE SUCTION	COND. DRAIN	GAS SIZE	REMARKS
F 1	C 1	BUILDING	3/8"	1 1/8"	3"	3"	① ② ③ ④ ⑤

NOTES:

- ① REFRIGERANT PIPING SHALL BE DEGREASED & DEOXIDIZED TYPE "L" COPPER WITH WROUGHT COPPER FITTINGS. SOLDER SHALL BE "SILFOS" SILVER SOLDER
- ② ALL REFRIGERANT SUCTION LINES SHALL BE INSULATED WITH 1/2" ARMSTRONG ARMAFLEX WITH TWO COATS OF ARMAFLEX 22 FINISH
- ③ DRAIN PIPING SHALL BE TYPE "L" COPPER WITH WROUGHT COPPER FITTINGS. SOLDER SHALL BE 95/5
- ④ VENT AND INTAKE FOR ALL FURNACES SHALL BE PVC SCHEDULE 40 WITH SOLVENT WELDED JOINTS. USE FACTORY CAP OR TURNED DOWN ELLS AT OUTLETS AND INTAKES. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS
- ⑤ GAS PIPING IS FOR 4 OZ. GAS WITH GAS COCK & GAS PRESSURE REGULATOR AT EACH GAS BURNING APPLIANCE. GAS PRESSURE TO BE REDUCED TO APPLIANCE BURNING PRESSURE

GRILLE AND REGISTER SCHEDULE				
TYPE	MANUFACTURER MODEL	DESCRIPTION	FRAME TYPE	REMARKS
CD	TUTTLE & BAILEY S SERIES	CEILING DIFFUSER - MODULAR FOR HARD CEILING	FRAME SF	① ②
CD	TUTTLE & BAILEY S SERIES	CEILING DIFFUSER - MODULAR FOR T-BAR CEILING, 24"x24" FACE	FRAME LT	① ②
SWR	TUTTLE & BAILEY T-647D	SIDEWALL REGISTER WITH TWO WAY ADJUSTABLE BLADES, WITH FRAME	FRAME SF	①
RG	TITUS SOF	RETURN GRILLE, 1/2" EGGRATE FRAME FOR CEILING SHOWN	TYPE 1 OR 3	①

- ① FACTORY WHITE FINISH.
- ② ALL DIFFUSERS SHALL BE 4-WAY UNLESS OTHERWISE NOTED ON THE PLANS.
- ③ SEE ARCHITECTURAL DRAWINGS FOR CEILING TYPES. DIFFUSERS TO MATCH CEILING.

MECHANICAL NOTES

- ALL DIFFUSERS ARE FOR 4-WAY BLOW UNLESS NOTED OTHERWISE
- ALL BRANCH SUPPLY AIR DUCTS SHALL HAVE A BALANCING DAMPER IN DUCT WITH EXTENSION SHAFT TO CEILING WHERE A CHROME PLATED YOUNG REGULATOR WITH COVER SHALL BE INSTALLED. PROVIDE NECESSARY EXTENSIONS, MITER GEARS ETC. TO OPERATE DAMPER FROM CEILING.
- ALL SUPPLY AIR DUCTS AND OUTSIDE AIR DUCTS SHALL BE WRAPPED WITH 1 1/2" FIBERGLASS INSULATION WITH VAPOR BARRIER LAPPED AND SEALED.
- WIRING FOR THERMOSTATS AND INTERCONNECTING EQUIPMENT WIRING FOR CONTROLS SHALL BE BY HVAC CONTRACTOR
- COORDINATE ALL DUCTWORK WITH STRUCTURE, ELECTRICAL, ETC. RUN DUCTS BETWEEN TRUSSES, THRU WEBS, ETC.
- ALL REFRIGERANT LINES SHALL BE DEOXIDIZED AND DEGREASED TYPE "L" COPPER. INSULATE ALL REFRIGERANT SUCTION LINES WITH 1/2" ARMSTRONG ARMAFLEX WITH 2 COATS OF ARMAFLEX 22 FINISH
- BALANCE AND ADJUST THE COMPLETE MECHANICAL SYSTEM. PROVIDE A BALANCING REPORT OF THE RESULTS OF BALANCING.
- OUTSIDE AIR LOUVER SHALL BE PRIME COATED GALVANIZED STEEL WITH FLANGED FRAME AND 4" THICK STORMPROOF BLADES. LOUVER SHALL HAVE INTERIOR 1/4" MESH INSECT SCREEN.
- ALL WORK & MATERIAL OF HVAC SYSTEM SHALL BE IN COMPLIANCE WITH THE INTERNATIONAL MECHANICAL CODE, 2003 EDITION AND ALL LOCAL CODES AND ORDINANCES
- ALL SUPPLY, RETURN, EXHAUST AND OUTSIDE AIR DUCTWORK SHALL BE GALVANIZED STEEL WITH GAUGES AND CONSTRUCTION AS REQUIRED BY SMACNA "LOW VELOCITY DUCT MANUAL" LATEST EDITION.

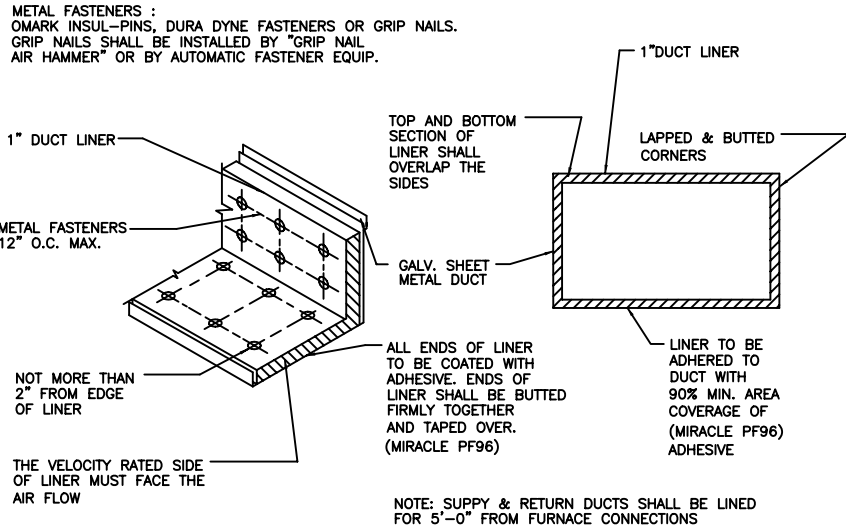
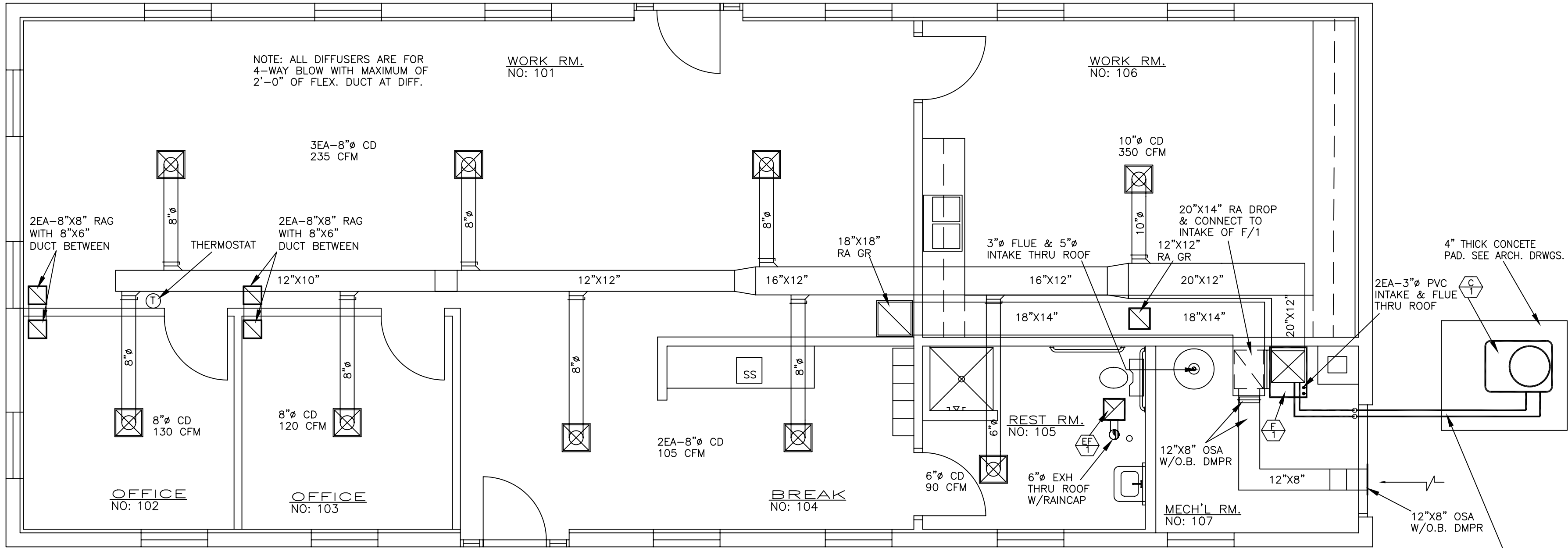
FURNACE - CONDENSING UNIT SCHEDULE												
FURN. SYM	MANUFACTURER MODEL	COND. SYM	MANUFACTURER MODEL	AREA SERVED	CFM	SP	COOLING ② ARI NET CLG CAP.	SEER	HEATING INPUT (MBH)	COND. UNIT ELECT.	FURNACE ELECTRICAL	REMARKS
									VOLT	Ph	Hz	
F 1	TRANE UPFLOW TUX080C960D	C 1	TRANE TTA048D300A	WORK AREAS	1600	0.9"	48,000	10.0	80	208	3	60
									120	1	60	⑤ ⑥ ⑦ ⑧ ⑨

GENERAL NOTES (APPLIES TO ALL UNITS)

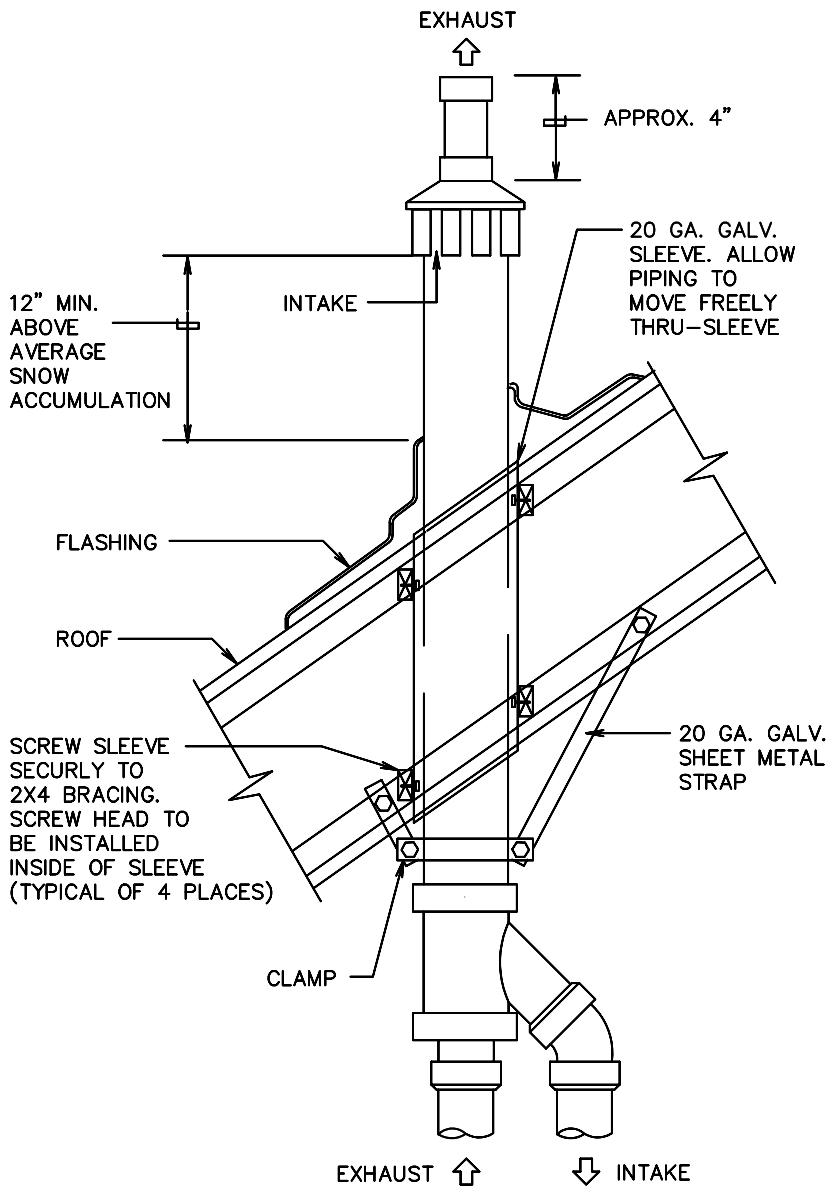
- EXTERNAL STATIC PRESSURE WITH FILTER IN PLACE.
- COOLING CAPACITY BASED ON: 80°DB/62°WB EXT. AIR & 95° AMBIENT.
- CONTINUOUS B.H.P. PER MANUFACTURERS SPECIFICATIONS.

NUMBERED NOTES (APPLIES TO UNITS LISTED)

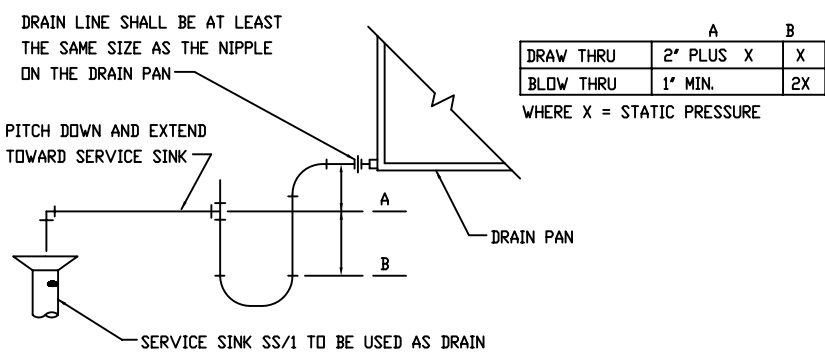
- ⑤ PROVIDE MANUAL BALANCING DAMPER IN RETURN AIR BRANCH DUCT AT FURNACE
- ⑥ PROVIDE FILTER RACK & 2" THROWAWAY FILTERS.
- ⑦ PROVIDE PROGRAMMABLE, HEATING/COOLING AUTO CHANGE-OVER, DIGITAL NIGHT SET-BACK THERMOSTAT; HONEYWELL, T-8621 W/ SUBBASE W/GYMNASIUM THERMOSTAT COVER PROVIDED WITH UNIT. FURNISH AND INSTALL ALL CONTROL WIRING IN CONDUIT BETWEEN THERMOSTAT AND HVAC UNIT. ALL WIRING AND WIRING TO BE CONCEALED.
- ⑧ PROVIDE VENTGLASS FLEXIBLE CONNECTIONS AT DUCT CONNECTIONS TO FURNACE
- ⑨ PROVIDE GAS COCK & GAS PRESSURE REGULATOR & CONNECT TO EXISTING GAS SERVICE LINE TO BUILDING.



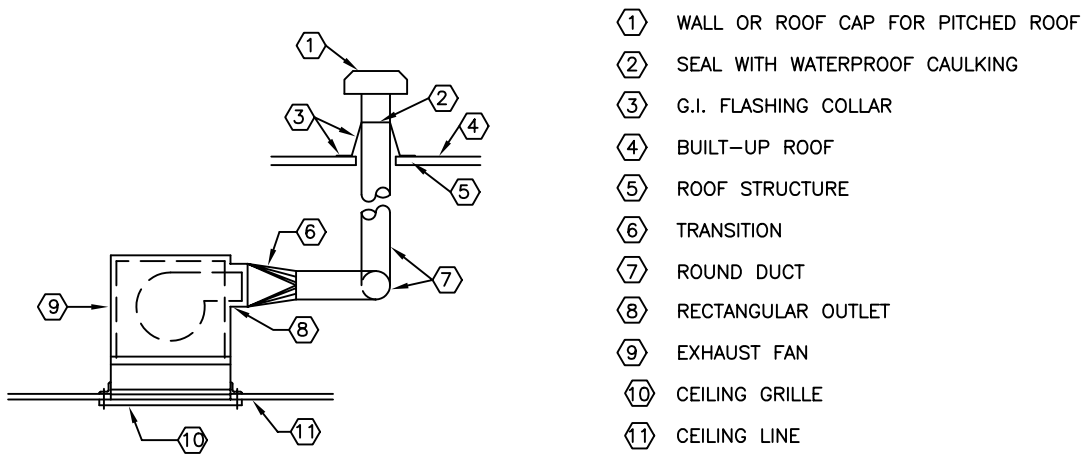
DUCT LINER DETAIL
NO SCALE



CONCENTRIC ROOF
TERMINATION DETAIL
SCALE: NONE



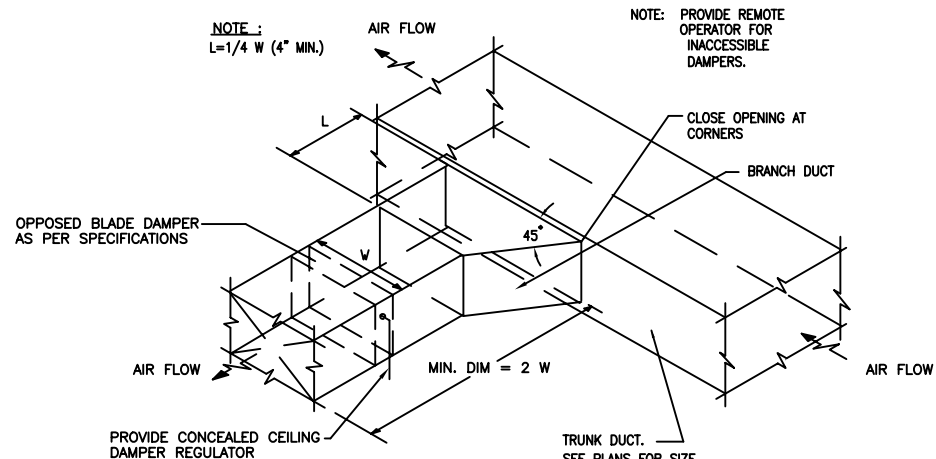
FURNACE DX COIL DRAIN TRAP
NO SCALE



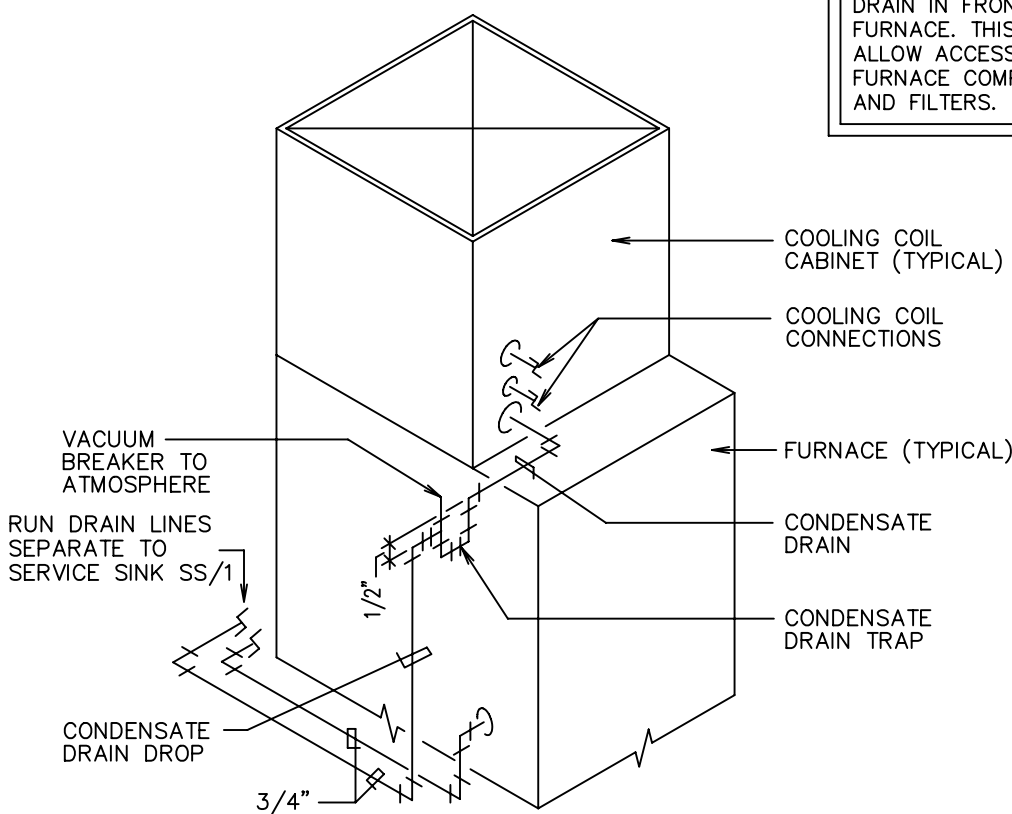
EXHAUST FAN DETAIL
SCALE : NONE

MECHANICAL PLAN

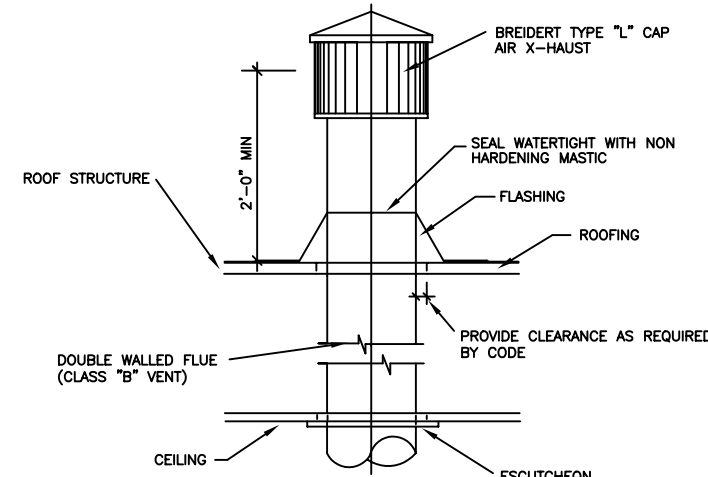
SCALE: 1/4"=1'-0"



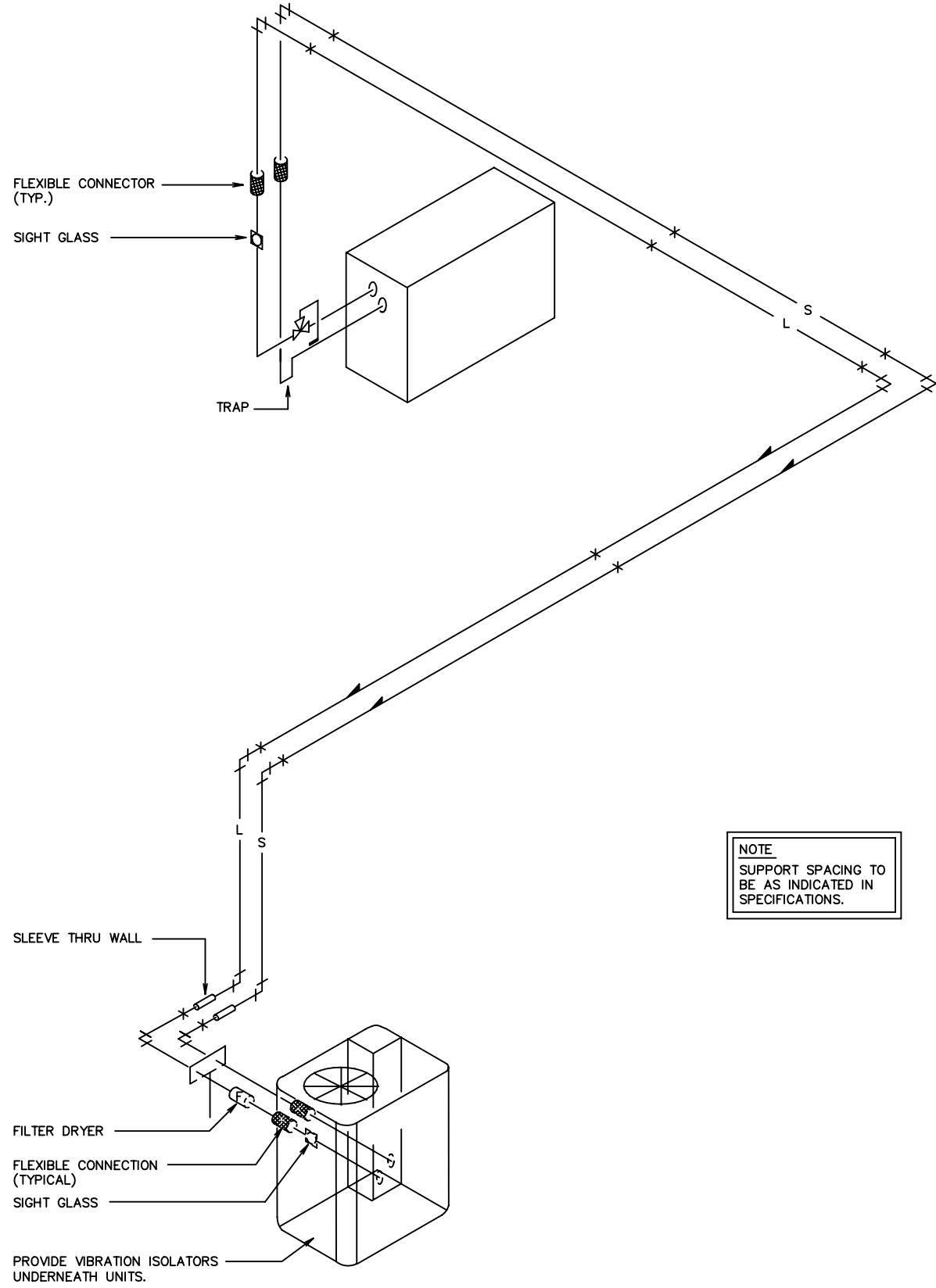
BRANCH DUCT TAKE-OFF DETAIL
NO SCALE



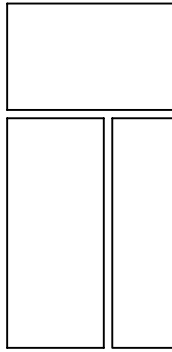
CONDENSATE DRAIN
TRAP DETAIL
SCALE: NONE



FLUE THRU ROOF DETAIL
NO SCALE



TYPICAL REFRIGERANT SCHEME
SCALE: NONE



VINCENT
DESIGN
GROUP

architects/planners

401 EAST 1700 SOUTH
SALT LAKE CITY, UTAH
(801) 484-2046

CONSULTANTS

REMODEL TO
CAMP WILLIAMS
OFFICE BUILDING 3040

UTAH NATIONAL GUARD
DFCM PROJECT NO. 04183480
MECHANICAL PLAN, SCHEDULES, NOTES & DETAILS

1	3/21/06	BID DOCUMENTS
MARK	DATE	DESCRIPTION

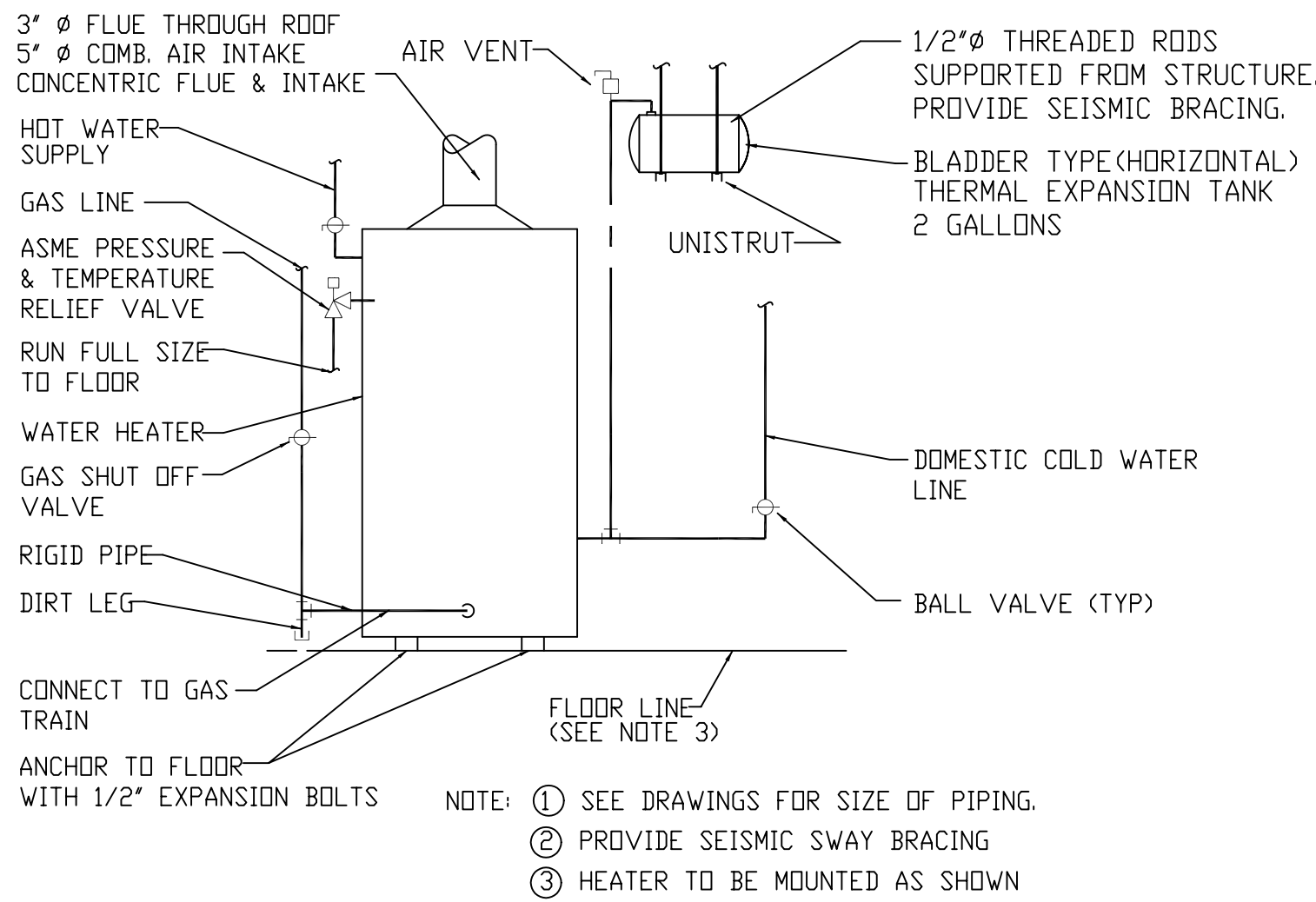
PROJECT NO: 05228480
ARCH. PROJECT NO: 05-54
CAD DWG FILE:
DRAWN BY: JV
CHECKED BY:
DESIGNED BY:
COPYRIGHT:

SHEET TITLE

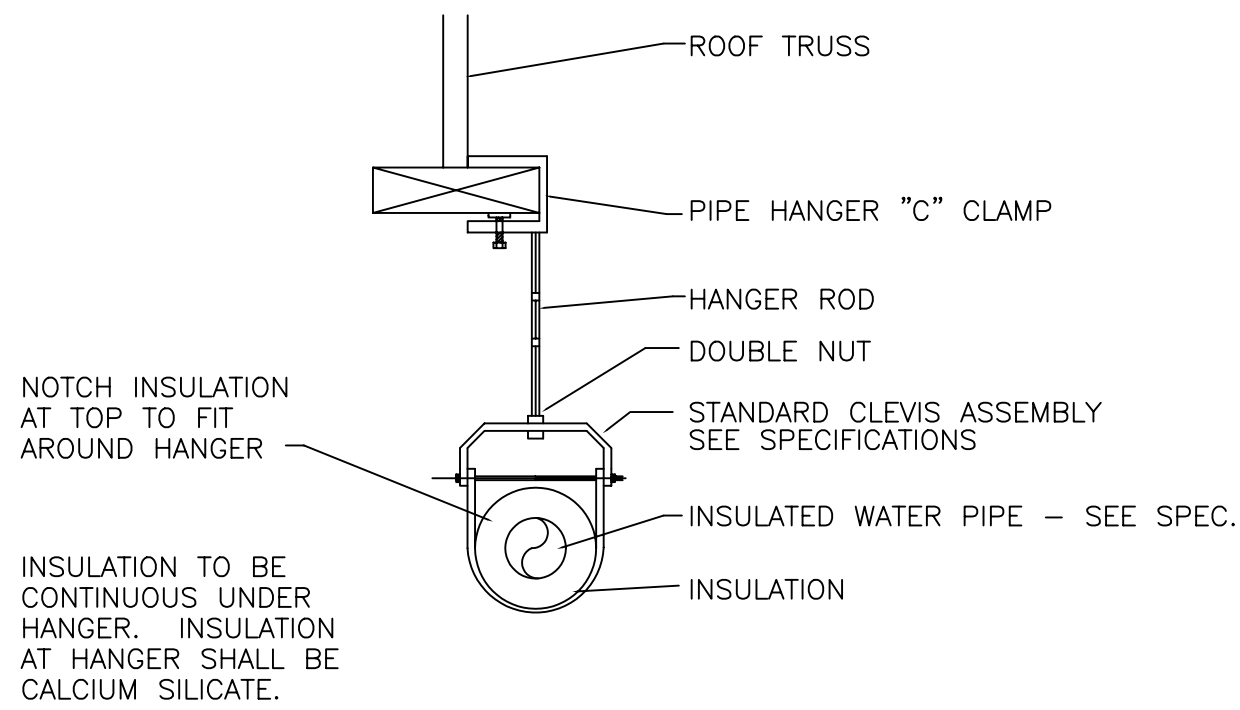
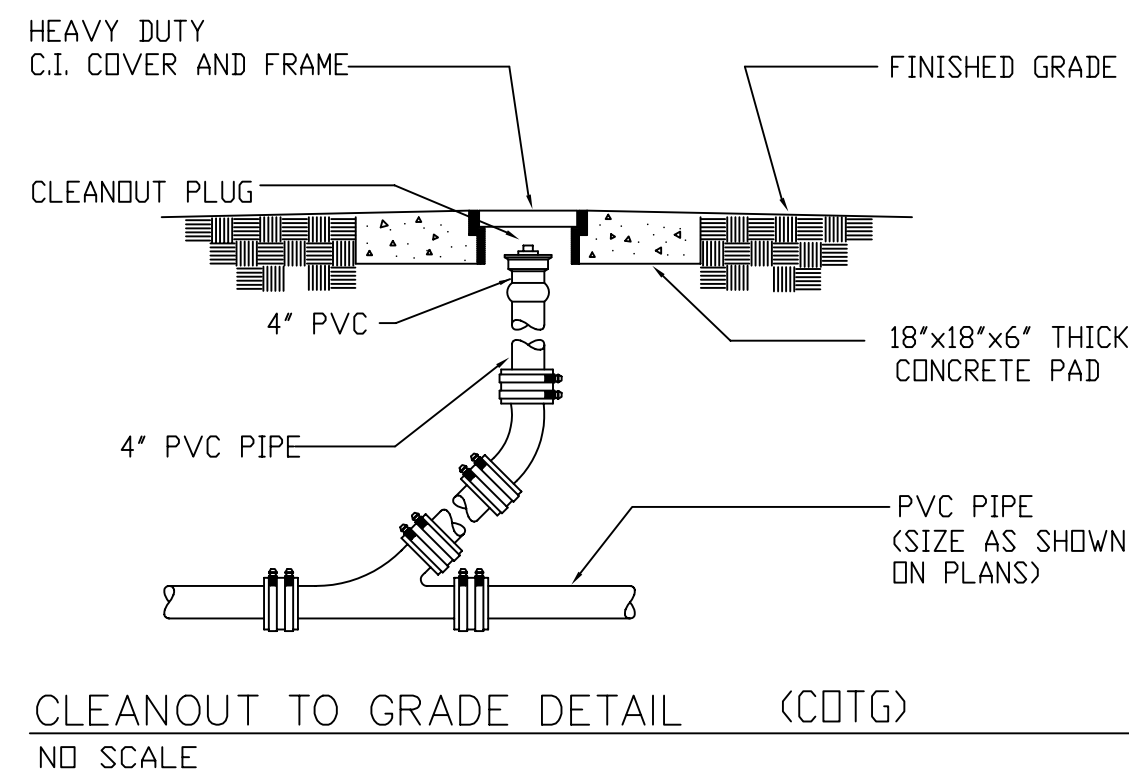
M-101

PLUMBING GENERAL NOTES

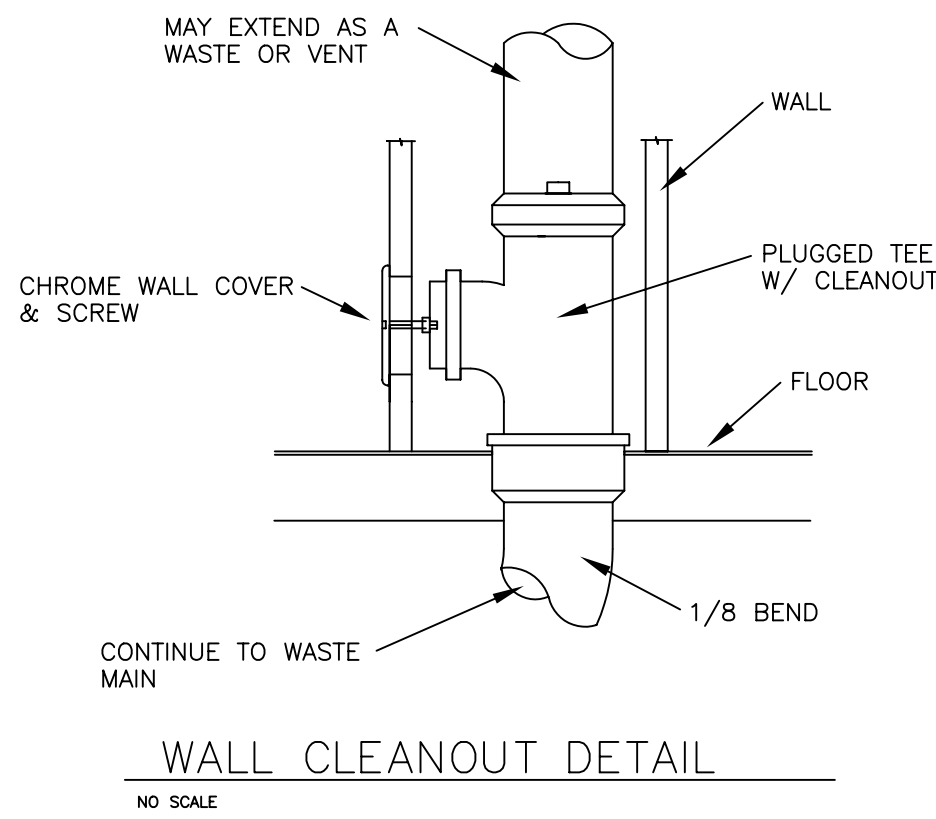
- ALL PLUMBING INFORMATION IS NOT ON THE PLUMBING DRAWINGS. CONTRACTOR SHALL BE RESPONSIBLE FOR INFORMATION ON ALL DRAWINGS INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, AND ELECTRICAL.
- THE WORKING DRAWINGS ARE DIAGRAMMATIC. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THEY DO NOT SHOW EVERY OFFSET, BEND OR ELBOW NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. ALL LOCATIONS FOR PLUMBING EQUIPMENT SHALL BE CHECKED AND COORDINATED WITH THE ARCHITECTURAL, MECHANICAL, STRUCTURAL, AND ELECTRICAL DRAWINGS.
- THE DRAWINGS AND SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER AND THEY SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH ITEMS SHOWN ON ONE AND NOT THE OTHER BEING FURNISHED AND INSTALLED AS THOUGH SHOWN AND CALLED OUT IN BOTH.
- COORDINATE ALL PLUMBING PIPING AND ALL PLUMBING EQUIPMENT WITH MECHANICAL EQUIPMENT, ALL DUCTWORK, REFRIGERATION TRENCHES, REFRIGERATION PIPING, AND ALL TRADES INCLUDING BUT NOT LIMITED TO THE MECHANICAL CONTRACTOR, ELECTRICAL CONTRACTOR, REFRIGERATION CONTRACTOR, AND GENERAL CONTRACTOR PRIOR TO INSTALLATION. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.
- CAULK AROUND ALL PIPING, INCLUDING PLUMBING PIPING THAT PASSES THROUGH FIRE RATED PARTITIONS WITH A NON-HARDENING CAULKING SIMILAR TO 3M "FIRE BARRIER".
- SEAL ALL PIPING THROUGH NEUTRAL WALLS AIR TIGHT. SEE ARCHITECTURAL PLANS FOR EXACT LOCATION OF ALL NEUTRAL WALLS.
- PROVIDE PROPER PROVISIONS FOR EXPANSION OR MOVEMENT OF ALL PIPING.
- SEE "PLUMBING FIXTURE/EQUIPMENT SCHEDULE" FOR SIZE OF INDIVIDUAL TRAPS, WASTE, VENT, AND DOMESTIC WATER PIPING TO INDIVIDUAL FIXTURES.
- INSULATE ALL HOT WATER LINES WITH 1" FIBERGLASS PIPE INSULATION WITH VAPOR BARRIER LAPPED AND SEALED.
- PROVIDE GAS SHUT OFF VALVE AT EACH PIECE OF EQUIPMENT.
- SLOPE DRAIN LINES DOWN IN DIRECTION OF FLOW, 1/4" PER FOOT.
- PROVIDE CLEANDUTS IN ACCORDANCE WITH REQUIREMENTS OF THE LOCAL PLUMBING CODE. FLOOR CLEANDUTS SHALL BE LOCATED OUT OF TRAFFIC AREAS.
- PROVIDE WALL CLEANDUTS IN ALL VENTS FOR COMBINATION WASTE AND VENT SYSTEM AS REQUIRED BY LOCAL CODE.
- SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FLOOR DRAINS AND FLOOR SINKS.
- ALL INVERTS SHOWN ON PLUMBING DRAWINGS ARE REFERENCED FROM FINISHED FLOOR ELEVATION = 100.00.
- COORDINATE ALL INVERTS WITH CIVIL DRAWING PRIOR TO INSTALLATION.
- CONTRACT LIMIT LINE DOES NOT APPLY TO UTILITIES. CONTRACTOR SHALL BE RESPONSIBLE TO RUN AND CONNECT UTILITIES AS SHOWN ON DRAWINGS.
- ALL PIPE HANGERS, AND EQUIPMENT SUPPORTS SHALL BE A MINIMUM OF 2" FROM ANY REFRIGERANT PIPE.
- ALL VENT FITTINGS FOR WASTE SYSTEM BELOW OVERFLOW OF FIXTURE SHALL BE DRAINAGE TYPE.
- ALL PLUMBING FIXTURES CONNECTED TO DOMESTIC WATER SYSTEM WITH THESE CONNECTIONS ON OUTLET SIDE SHALL BE PROVIDED WITH BACKFLOW PREVENTION AS PER THE INTERNATIONAL PLUMBING CODE. EDITION OF CODE SHALL MATCH LOCAL JURISDICTION CODE.
- LOCATE ALL PLUMBING VENTS AND FLUES AT LEAST 3 FEET ABOVE OR 10 FEET AWAY FROM ALL OUTSIDE AIR INTAKES INTO THE BUILDING.
- SHOWER HEADS, LAVATORY FAUCETS AND SINKS (NOT INCLUDING SERVICE SINK FAUCETS), SHALL MEET THE FLOW REQUIREMENTS OF LOCAL APPLIANCES EFFICIENCY STANDARDS.
- ALL MECHANICAL EQUIPMENT SHALL BE LISTED AND LABELED BY AN APPROVED TESTING AGENCY.
- LAVATORIES IN RESTROOMS SHALL BE EQUIPPED WITH -OUTLET DEVICES THAT LIMIT THE FLOW OF HOT WATER TO A MAXIMUM OF 0.5 GALLONS PER MINUTE.
- LAVATORIES IN RESTROOM OF PUBLIC FACILITIES SHALL BE EQUIPPED WITH CONTROLS TO LIMIT THE OUTLET TEMPERATURE TO 110°F.
- INTERIOR ABOVE GRADE DOMESTIC WATER PIPING SHALL BE TYPE "L", HARD DRAWN TEMPER COPPER TUBING WITH WROUGHT COPPER FITTINGS AND SOLDER JOINTS. INTERIOR BELOW GRADE DOMESTIC WATER PIPING SHALL BE TYPE "K", SOFT COPPER TUBING WITHOUT JOINTS. ALL JOINTS SHALL BE MADE ABOVE GRADE.
- EXTERIOR WATER PIPING SHALL BE TYPE "K", SOFT ANNEALED TEMPER COPPER TUBING WITH WROUGHT COPPER FITTINGS AND SOLDER JOINTS. ONLY LEAD-FREE SOLDER MAY BE USED ON THE WATER PIPING SYSTEM.
- INTERIOR (TO 5'-0" OUTSIDE OF FOUNDATION WALL) WASTE AND VENT PIPING SHALL BE PVC WITH SOLVENT WELDED FITTINGS.
- NATURAL GAS PIPING SHALL BE STANDARD WEIGHT, SCHEDULE 40 BLACK STEEL WITH MALLEABLE IRON FITTINGS. UNDERGROUND PIPE SHALL BE PRIMED, AND WRAPPED IN ACCORDANCE WITH LOCAL GAS COMPANY REQUIREMENTS AND NFPA NO. 54 REQUIREMENTS.
- NO TYPE "M" COPPER IS PERMITTED WITHIN THE BUILDING STRUCTURE.
- ALL EQUIPMENT AND INSTALLATION WILL MEET NATIONAL SANITATION FOUNDATION (NSF) STANDARDS, OR EQUIVALENT.
- ALL SINKS AND LAVATORIES IN FACILITY WILL BE SUPPLIED WITH HOT WATER (MINIMUM 120°F) AND COLD RUNNING WATER UNDER PRESSURE.
- ALL LAVATORIES OR HAND SINKS WILL HAVE A COMBINATION FAUCET OR PREMIXING FAUCET CAPABLE OF SUPPLYING WARM WATER FOR A MINIMUM OF 14 SECONDS.
- GAS PIPING SHALL BE FOR 4 OZ. GAS WITH A GAS PRESSURE REGULATOR FOR EACH GAS BURNING APPLIANCE.



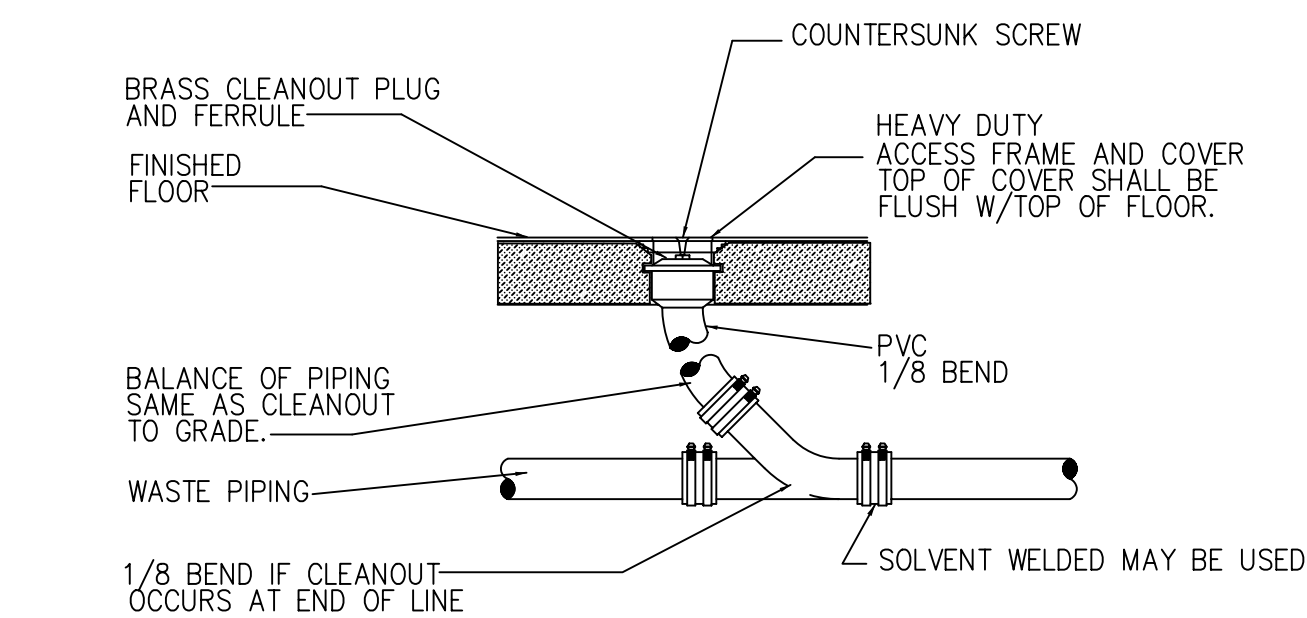
WATER HEATER DETAIL
NO SCALE



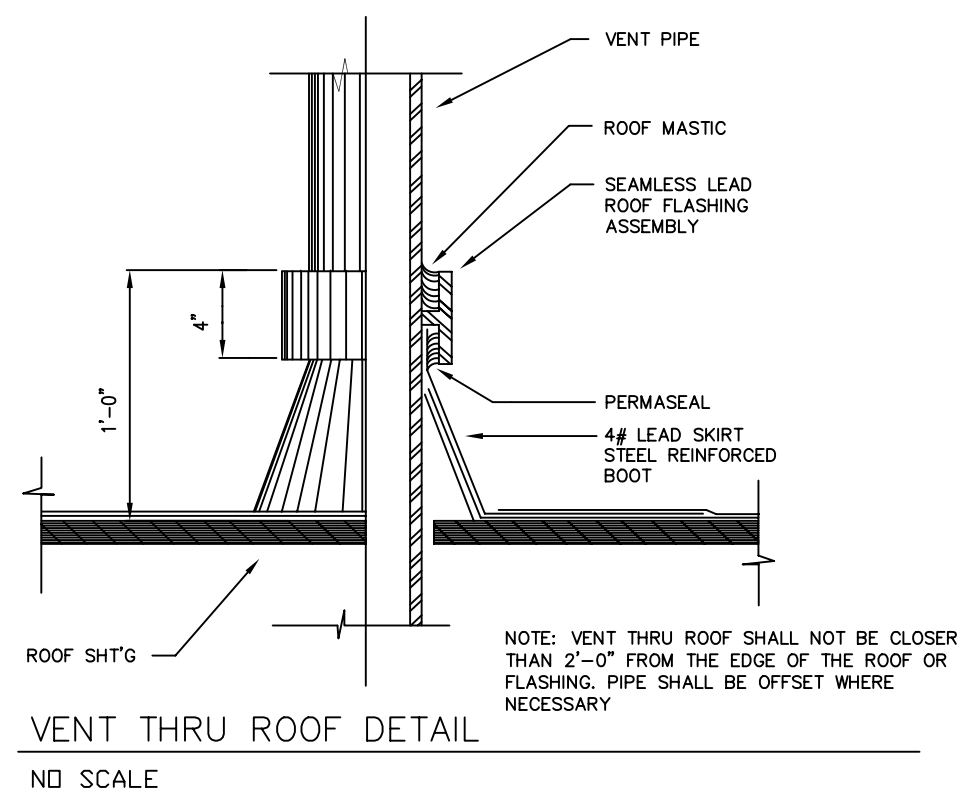
PIPE HANGER DETAIL
NO SCALE



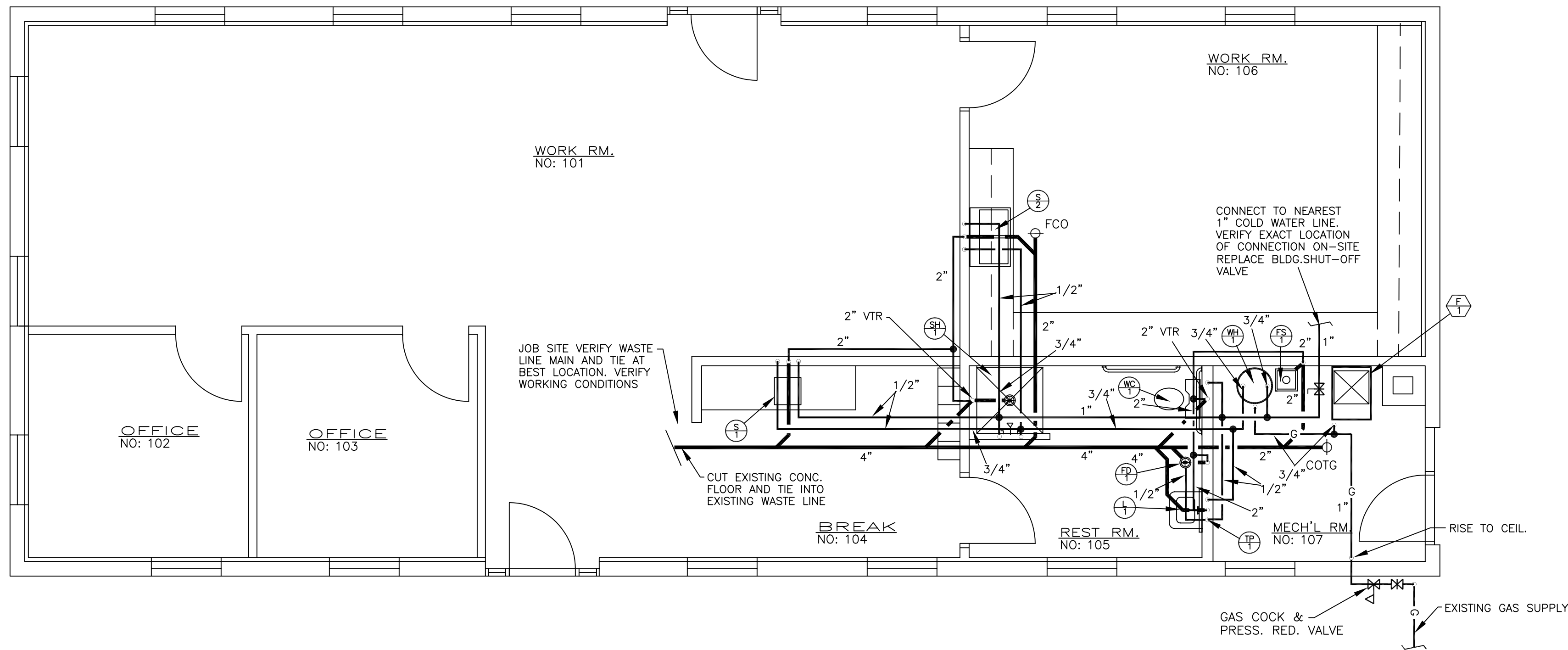
WALL CLEANOUT DETAIL
NO SCALE



FLOOR CLEANOUT DETAIL
NO SCALE



VENT THRU ROOF DETAIL
NO SCALE



PLUMBING PLAN

SCALE: 1/4"=1'-0"

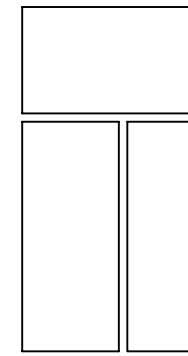


PLUMBING FIXTURE/EQUIPMENT SCHEDULE

SYMBOL	FIXTURE	LOCATION	TRAP	WASTE	INDIRECT WASTE	VENT	COLD WATER	HOT WATER	REMARKS
	WATER CLOSET (HANDICAPPED)	TOILET ROOM	INT.	4"	-	2"	1/2"	-	FLOOR MOUNTED, TANK TYPE SEE NOTES ② AND ③
	LAVATORY	TOILET ROOM	1 1/4"	1 1/2"	-	1 1/2"	1/2"	1/2"	WALL MOUNTED WITH WALL CARRIER SEE NOTES ② AND ④
	SINK, ONE COMPARTMENT	BREAK ROOM	1 1/2"	1 1/2"	-	1 1/2"	1/2"	1/2"	COUNTER MOUNTED, COMPLETE TRIM SEE NOTES ② AND ④
	SINK, TWO COMPARTMENTS	WORK ROOM	1 1/2"	1 1/2"	-	1 1/2"	1/2"	1/2"	COUNTER MOUNTED, COMPLETE TRIM SEE NOTES ② AND ④
	SHOWER & SHOWER DRAIN	TOILET ROOM	2"	2"	-	2"	1/2"	1/2"	TEMPERATURE CONTROL SHOWER VALVE AND HEAD W/CHROME PLATED STRAINER W/CLAMPING COLLAR
	FLOOR DRAIN	TOILET ROOM	2"	2"	-	2"	-	-	NICKEL BRONZE TOP W/ SEDIMENT BUCKET
	FLOOR SINK	WATER HTR ROOM	2"	2"	-	2"	-	-	ENAMELED CAST IRON W/ SEDIMENT BUCKET 3/4 ENAMELED CAST IRON GRATE
	TRAP PRIMER	AT LAVATORY	-	-	-	-	1/2"	-	MIFAB M-500
	WATER HEATER, GAS FIRED	WATER HTR ROOM	-	-	-	-	3/4"	3/4"	40 GALLON STORAGE, 40,000 BTUH GAS INPUT, DIRECT VENT, C/W P & T RELIEF VALVE, 2 GAL BLADDER TYPE EXPANSION TANK, SEALED, COMB. CHAMBER WITH 3" VENT, 5" INTAKE AMERICAN 40 GAL. PROLINE DIRECT VENT

- NOTES
- ALL PLUMBING FIXTURES AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED BY PLUMBING CONTRACTOR UNLESS NOTED OTHERWISE.
 - CONTROLS FOR WATER CLOSETS AND URINALS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. FLUSH VALVE CONTROLS SHALL BE MOUNTED ON THE SIDE OF URINALS AND BE NO MORE THAN 44" ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS FORCE.
 - WATER CLOSETS TO HAVE ELONGATED BOWLS WITH OPEN FRONT SEATS AND SHALL HAVE A MAXIMUM OF 16 GALLONS PER FLUSH.
 - THE RIM OF URINALS SHALL PROJECT 14" FROM THE WALL. URINALS SHALL BE A MAXIMUM OF 1.0 GALLONS PER FLUSH. WATER SUPPLY TO A URINAL SHALL BE PROTECTED BY AN APPROVED TYPE VACUUM BREAKER.
 - HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED. FAUCET CONTROLS FOR LAVS. AND SINKS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL BE OF THE TYPE NOT REQUIRING TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST (SUCH AS LEVER OPERATED). THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS FORCE. IF SELF CLOSING VALVES ARE USED, THEY SHALL REMAIN OPEN FOR AT LEAST 10 SECONDS. INSULATION SHALL BE TRUEBRO NEOPRENE, SEALED TIGHT.
 - ALL JANITORIAL SINK FAUCETS MUST BE PROVIDED WITH AN APPROVED BACKFLOW PREVENTION DEVICE.
 - ALL WASTE PIPING BELOW GRADE SHALL BE A MINIMUM OF 2"

SYMBOLS AND LEGEND		
SYMBOLS	ABBREV.	DESCRIPTION
---	SOIL	SEWER OR WASTE
---	V	VENT
---	CW	COLD WATER
---	HW	HOT WATER
---	G	GAS
●	FS	FLOOR SINK
●	FD	FLOOR DRAIN
●	PDC	POINT OF CONNECTION (ABOVE)
AP	ACCESS PANEL	I.E. INVERT ELEVATION
ASR	AUTO FIRE SPRINKLER RISER	M.L. MANHOLE
BP	BACKFLOW PREVENTER	N.C. NOT IN CONTRACT
BS	BALANCING VALVE	OD OVERFLOW DRAIN
CB	CATCH BASIN	PRV PRESSURE REDUCING VALVE
COTG	CLEANOUT TO GRADE	(N) NEW
COTG	CLEANOUT IN YARD BOX	RD ROOF DRAIN
CO	CLEANOUT	SC SHUT OFF COOK
FO	FLOOR CLEANOUT	SOV SHUT OFF VALVE
HR	HEAD	TP TRAP PRIMER
LD	INDIRECT DRAIN	VTR VENT THRU ROOF
		WOD WALL CLEANOUT



VINCENT
DESIGN
GROUP

architects/planners

401 EAST 1700 SOUTH
SALT LAKE CITY, UTAH
(801) 484-2046

CONSULTANTS

REMODEL TO
**CAMP WILLIAMS
OFFICE BUILDING 3040**

UTAH NATIONAL GUARD
DFCM PROJECT NO. 04183480
PLUMBING PLAN, SCHEDULES, NOTES & DETAILS

1	3/21/06	BID DOCUMENTS
MARK	DATE	DESCRIPTION

PROJECT NO: 05228480
ARCH. PROJECT NO: 05-54
CAD DWG FILE:
DRAWN BY: JV
CHECKED BY:
DESIGNED BY:
COPYRIGHT:

SHEET TITLE

P-101



401 EAST 1700 SOUTH
SALT LAKE CITY, UTAH
(801) 484-2046

ELECTRICAL SYMBOL LIST	
SYMBOL	DESCRIPTION
	LIGHTING SYMBOLS
	SURFACE MOUNTED FLUORESCENT FIXTURE
	DUPLEX RECEPTACLE - 20 AMP
	DUPLEX RECEPTACLE - 20 AMP GROUND FAULT INTERRUPTER
	SINGLE POLE TOGGLE SWITCH - 20 AMP
	LIGHTING FIXTURE CALLOUT. QUANTITY - CONTRACTOR TO VERIFY COUNT.
	FUSED DISCONNECT SWITCH - SIZE AS REQUIRED
	MOTOR CONNECTION
	INDICATES WEATHER PROOF EQUIPMENT
	ELECTRICAL PANEL LOCATION
	TELEPHONE OUTLET-RUN CAT 5E 4 PR CABLE IN 3/4" TEL EQ. (PHONE & DATA)

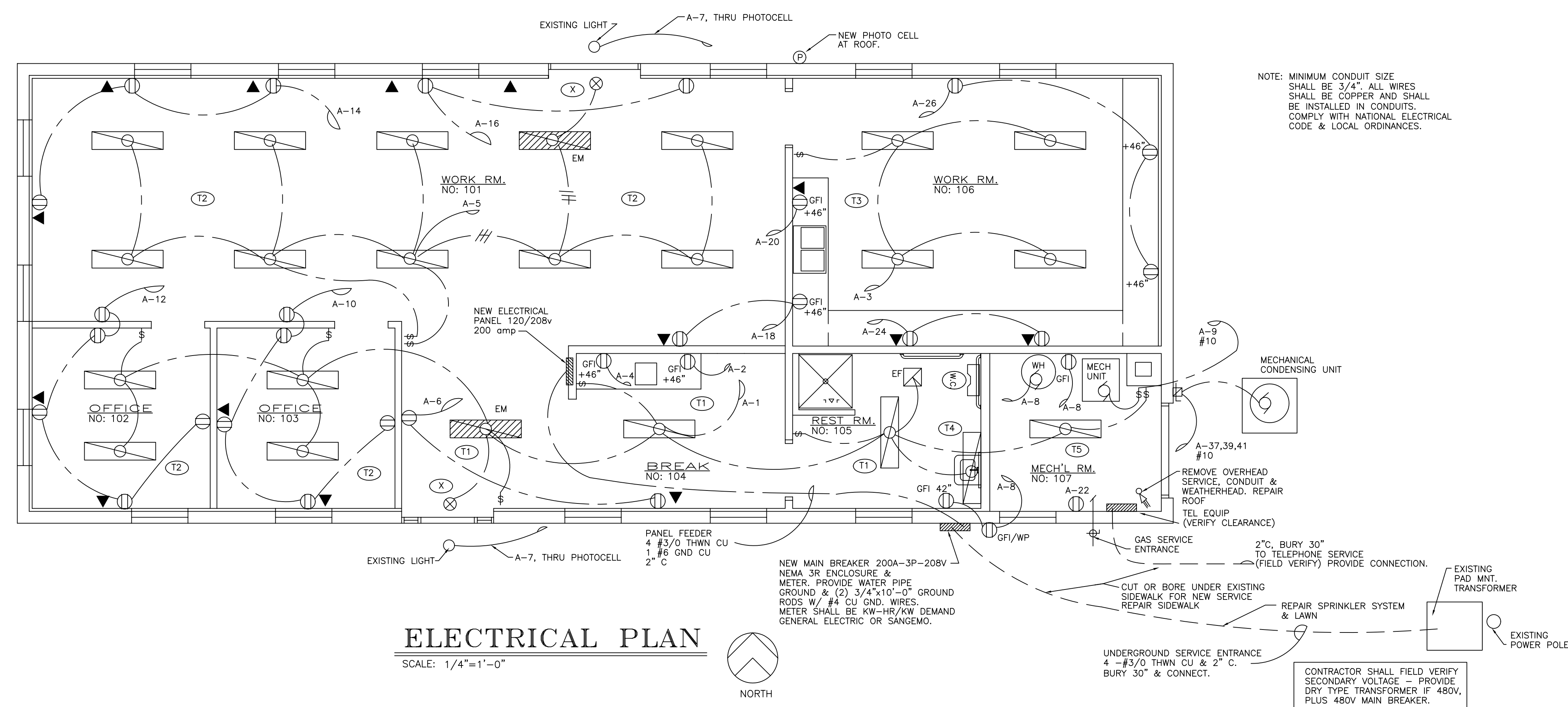
NOT ALL SYMBOLS USED ON PROJECT

LIGHTING FIXTURE SCHEDULE					
	SYMBOL	MANUFACTURER	CATALOG NUMBER	LAMPS	DESCRIPTION
*	T-1	LITHONIA LSI METALUX	LB 232 GEB PR 232 SSD 120 EQUAL	2, F32 T8 3500K	SURFACED WRAPAROUND , 120v
*	T-2	LITHONIA LSI METALUX	LB 332 GEB PR 332 SSD 120 EQUAL	3, F32 T8 3500K	SURFACED WRAPAROUND , 120v
	T-3	LITHONIA LSI METALUX	LB 432 GEB PR 432 SSD 120 EQUAL	4, F32 T8 3500K	SURFACED WRAPAROUND , 120v
	T-4	LITHONIA LSI METALUX	W 232 GEB10 BR 232 SSD 120 EQUAL	2, F32 T8 3500K	WALL MOUNT ABOVE MIRROR, 120v
	T-5	LITHONIA LSI METALUX	AF 232 GEB F23 232 SSD 120 EQUAL	2, F32 T8 3500K	SURFACE INDUSTRIAL, 120V
	X	LITHONIA EELP INC SURE LITES	LES2GELN CA2GAEM EQUAL	-	EXIT LIGHT W/ ARROWS AS SHOWN

* PROVIDE EACH FIXTURE 'EM' WITH EMERGENCY BATTERY UNIT, GIVING APPROX 1400 LUMENS EMERG LTG

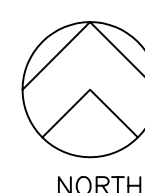
PANELBOARD SCHEDULE

PANEL		P		VOLTAGE		120		/		208		VOLTS, 3 PHASE, 4 WIRE.					
FLUSH		MOUNTED		NEMA		1		TYPE:		MAIN		200A LMD		A.I.C.		10,000	
DESCRIPTION	LAD	WIRE SIZE	POLE	AMP. OCT.	PHASE LOADING (WATTS)	OCT. NGI	AMP.	POLE	WIRE SIZE	LAD	DESCRIPTION						
												A	B	C			
LIGHTS 102 -107	1100	12	1	20	1 2200 --	--	2	20	1	12	1000 RCPTS - 104						
LIGHTS 106	600	12	1	20	3 -- 1800 --	--	4	20	1	12	1000 RCPTS - 104						
LIGHTS 101	1800	12	1	20	5 -- -- 2300	6	20	1	12	1000 RCPTS - 104							
LIGHTS OUTSIDE	1600	12	1	20	7 1000 --	--	8	20	1	12	1000 RCPTS - 107						
FURNACE	1000	10	1	30	9 -- 2600 --	--	10	20	1	12	1000 RCPTS - 103						
SARE	700 --	1	20	11 --	-- 1000	12	20	1	12	1000 RCPTS - 102							
	700 --	1	20	13	600 --	--	14	20	1	12	1000 RCPTS - 101						
	1800 --	1	20	15 --	-- 400 --	--	16	20	1	12	1000 RCPTS - 101						
	900 --	1	20	17 --	-- 400	18	20	1	12	1000 RCPTS - 101							
	1800 --	1	20	19	1000 --	--	20	20	1	12	1000 RCPTS - 106						
	900 --	1	20	21 --	-- 1000 --	--	22	20	1	12	1000 RCPTS - 106						
	900 --	1	20	23 --	-- 400	24	20	1	12	1000 RCPTS - 106							
	1400 --	1	20	25	600 --	--	26	20	1	12	1000 RCPTS - 106						
				27			28	20	1	-	SARE						
				29			30	20	1	-							
				31			32	20	1	-							
				33			34	20	1	-							
				35			36	20	1	-							
CONDENSING UNIT		10	3	30	37		38	20	1	-							
-		-	-	-	39	-	40	20	1	-	-						
-		-	-	-	41	-	42	20	1	-	-						
TOTAL PER PHASE						5400	5800	4100									
LIGHTS FURNACE PROVIDE 200A FEED											TOTAL CONNECTED LOAD	15,300	48	AMPS			



ELECTRICAL PLAN

SCALE: 1/4"=1'-0"



CONSULTANTS

REMODEL TO
CAMP WILLIAMS
OFFICE BUILDING 3040

UTAH NATIONAL GUARD
DFCM PROJECT NO. 04183480

1	3/21/06	BID DOCUMENTS
MARK	DATE	DESCRIPTION

PROJECT NO:	05228480
ARCH. PROJECT NO:	05-54
CAD DWG FILE:	
DRAWN BY:	JV
CHECKED BY:	
DESIGNED BY:	
COPYRIGHT:	

SHEET TITLE

E-103

ARCHITECTURAL 6 of 6